

Table A-1
Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-057 C2 SB057-28-29.8 10/9/99 clay odor	SB-057 C2 SB057-31-32 10/9/99 clay sheen	SB-057 C2 SB057-36-38 10/9/99 Primary sand sheen	SB-057 C2 SB557-36-38 10/9/99 Field Duplicate sand sheen
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	240	210	1400	2500
acenaphthene	90	80	600	900
acenaphthylene	20 U	20 U	10 J	20
anthracene	40	30	230	400
benzo(a)anthracene	20 U	20 U	50	90
benzo(a)pyrene	20 U	20 U	20	20
benzo(b)fluoranthene	20 U	20 U	10 J	20
benzo(g,h,i)perylene	20 U	20 U	20 U	20 U
benzo(k)fluoranthene	20 U	20 U	20	20
carbazole	10 J	20 UJ	80 J	130 J
chrysene	10 J	20 U	50	90
dibenzo(a,h)anthracene	20 U	20 U	20 U	20 U
dibenzofuran	50	50	300	600
fluoranthene	50	40	300	500
fluorene	70	60	400	700
indeno(1,2,3-cd)pyrene	20 U	20 U	20 U	20 U
naphthalene	470	430	3100	5400
pentachlorophenol	60 U	60 U	130	200 J
phenanthrene	140	120	800	1300
pyrene	40	40	220	400
Total HPAH (U=1/2)	170	160	700	1170
Total LPAH (U=1/2)	1060	940	6540	11220
Total PAH (U=1/2)	1230	1100	7240	12390
LPAH/HPAH (U=1/2)	6.2	5.9	9.3	9.6
Naphthalene/Total PAH (U=1/2)	0.38	0.39	0.43	0.44
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	2100	2300	30000	15000
C10-C11	570	620	8000	4100
C12-C13	480	520	6800	3500
C14-C15	590	630	6700	3600
C16-C17	230	260	3900	2000
C18-C19	110	130	2100	980
C20-C21	66	76	1400	1000
C22-C23	27	41	590	
C24-C25			270	
C27-C28		16	200	
C29-C30				
C31-C32				
C33-C34				
C35-C36				
C37-C39				

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Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-057 C2 SB057-40-50 10/9/99 sand mobile	SB-057 C2 SB057-51-52 10/9/99 Primary sand sheen	SB-057 C2 SB557-51-52 10/9/99 Field Duplicate sand sheen	SB-057 C2 SB057-57.6-57.8 10/9/99 clay sheen
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	2600	80	100	190
acenaphthene	1000	50	60	80
acenaphthylene	20	20 U	20 U	20 U
anthracene	400	20	30	30
benzo(a)anthracene	90	20 U	20 U	20 U
benzo(a)pyrene	30	20 U	20 U	20 U
benzo(b)fluoranthene	20	20 U	20 U	20 U
benzo(g,h,i)perylene	20 U	20 U	20 U	20 U
benzo(k)fluoranthene	30	20 U	20 U	20 U
carbazole	140 J	20 UJ	20 UJ	20 UJ
chrysene	90	20 U	20 U	20 U
dibenzo(a,h)anthracene	20 U	20 U	20 U	20 U
dibenzofuran	600	30	40	50
fluoranthene	500	30	40	40
fluorene	700	40	40	50
indeno(1,2,3-cd)pyrene	20 U	20 U	20 U	20 U
naphthalene	5800	110	130	410
pentachlorophenol	200	60 U	60 U	60 U
phenanthrene	1300	80	100	110
pyrene	400	30	30	30
Total HPAH (U=1/2)	1190	140	150	150
Total LPAH (U=1/2)	11820	390	470	880
Total PAH (U=1/2)	13010	530	620	1030
LPAH/HPAH (U=1/2)	9.9	2.8	3.1	5.9
Naphthalene/Total PAH (U=1/2)	0.45	0.21	0.21	0.4
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	22000	2000	1500	1600
C10-C11	5900	490	350	470
C12-C13	4900	440	340	360
C14-C15	5000	430	340	330
C16-C17	2900	290	230	210
C18-C19	1500	200	140	120
C20-C21	1000	120	89	75
C22-C23	600	49	38	31
C24-C25		22	18	13
C27-C28	130	12		
C29-C30				
C31-C32				
C33-C34				
C35-C36				
C37-C39				

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Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-057 C2 SB057-65-66 10/9/99 Primary sand odor	SB-057 C2 SB557-65-66 10/9/99 Field Duplicate sand odor	SB-057 C2 SB057-74.6-74.8 10/9/99 sand odor	SB-057 C2 SB057-81.5-81.7 10/9/99 sand nothing
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	20 U	20 U	20 U	20 U
acenaphthene	20 U	20 U	20 U	20 U
acenaphthylene	20 U	20 U	20 U	20 U
anthracene	20 U	20 U	20 U	20 U
benzo(a)anthracene	20 U	20 U	20 U	20 U
benzo(a)pyrene	20 U	20 U	20 U	20 U
benzo(b)fluoranthene	20 U	20 U	20 U	20 U
benzo(g,h,i)perylene	20 U	20 U	20 U	20 U
benzo(k)fluoranthene	20 U	20 U	20 U	20 U
carbazole	20 UJ	20 UJ	20 UJ	20 UJ
chrysene	20 U	20 U	20 U	20 U
dibenzo(a,h)anthracene	20 U	20 U	20 U	20 U
dibenzofuran	20 U	20 U	20 U	20 U
fluoranthene	20 U	20 U	20 U	20 U
fluorene	20 U	20 U	20 U	20 U
indeno(1,2,3-cd)pyrene	20 U	20 U	20 U	20 U
naphthalene	20 U	20 U	20 U	20 U
pentachlorophenol	60 U	60 U	60 U	60 U
phenanthrene	20 U	20 U	20 U	20 U
pyrene	20 U	20 U	20 U	20 U
Total HPAH (U=1/2)	100	100	100	100
Total LPAH (U=1/2)	70	70	70	70
Total PAH (U=1/2)	170	170	170	170
LPAH/HPAH (U=1/2)	0.7	0.7	0.7	0.7
Naphthalene/Total PAH (U=1/2)	0.12	0.12	0.12	0.12
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	100 U	--	100 U	100 U
C10-C11	--	--	--	--
C12-C13	--	--	--	--
C14-C15	--	--	--	--
C16-C17	--	--	--	--
C18-C19	--	--	--	--
C20-C21	--	--	--	--
C22-C23	--	--	--	--
C24-C25	--	--	--	--
C27-C28	--	--	--	--
C29-C30	--	--	--	--
C31-C32	--	--	--	--
C33-C34	--	--	--	--
C35-C36	--	--	--	--
C37-C39	--	--	--	--

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Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC	SB-057 C2 SB057-97-97.2 10/9/99	SB-057 C2 SB057-107.5-107.7 10/9/99	SB-057 C2 SB057-118-118.2 10/9/99	SB-057 C2 SB057-123.1-123.4 10/11/99
Soil Description NAPL Description	clay nothing	sand odor	sand nothing	sand nothing
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	20 U	20 U	20 U	20 U
acenaphthene	20 U	20 U	20 U	20 U
acenaphthylene	20 U	20 U	20 U	20 U
anthracene	20 U	20 U	20 U	20 U
benzo(a)anthracene	20 U	20 U	20 U	20 U
benzo(a)pyrene	20 U	20 U	20 U	20 U
benzo(b)fluoranthene	20 U	20 U	20 U	20 U
benzo(g,h,i)perylene	20 U	20 U	20 U	20 U
benzo(k)fluoranthene	20 U	20 U	20 U	20 U
carbazole	20 UJ	20 UJ	20 UJ	20 UJ
chrysene	20 U	20 U	20 U	20 U
dibenzo(a,h)anthracene	20 U	20 U	20 U	20 U
dibenzofuran	20 U	20 U	20 U	20 U
fluoranthene	20 U	20 U	20 U	20 U
fluorene	20 U	20 U	20 U	20 U
indeno(1,2,3-cd)pyrene	20 U	20 U	20 U	20 U
naphthalene	20 U	20 U	20 U	20 U
pentachlorophenol	60 U	60 U	50 U	60 U
phenanthrene	20 U	20 U	20 U	20 U
pyrene	20 U	20 U	20 U	20 U
Total HPAH (U=1/2)	100	100	100	100
Total LPAH (U=1/2)	70	70	70	70
Total PAH (U=1/2)	170	170	170	170
LPAH/HPAH (U=1/2)	0.7	0.7	0.7	0.7
Naphthalene/Total PAH (U=1/2)	0.12	0.12	0.12	0.12
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	100 U	100 U	100 U	100 U
C10-C11	--	--	--	--
C12-C13	--	--	--	--
C14-C15	--	--	--	--
C16-C17	--	--	--	--
C18-C19	--	--	--	--
C20-C21	--	--	--	--
C22-C23	--	--	--	--
C24-C25	--	--	--	--
C27-C28	--	--	--	--
C29-C30	--	--	--	--
C31-C32	--	--	--	--
C33-C34	--	--	--	--
C35-C36	--	--	--	--
C37-C39	--	--	--	--

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Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC	SB-057 C2 SB057-128.3-128.5 10/9/99	SB-057 C2 SB057-133.5-133.8 10/10/99	SB-057 C2 SB057-141.8-142.1 10/10/99	SB-057 C2 SB057-154.0-154.5 10/10/99
Soil Description NAPL Description	sand nothing	clay nothing	clay nothing	sand nothing
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	20 U	20 U	20 U	20 U
acenaphthene	20 U	20 U	20 U	20 U
acenaphthylene	20 U	20 U	20 U	20 U
anthracene	20 U	20 U	20 U	20 U
benzo(a)anthracene	20 U	20 U	20 U	20 U
benzo(a)pyrene	20 U	20 U	20 U	20 U
benzo(b)fluoranthene	20 U	20 U	20 U	20 U
benzo(g,h,i)perylene	20 U	20 U	20 U	20 U
benzo(k)fluoranthene	20 U	20 U	20 U	20 U
carbazole	20 UJ	20 UJ	20 UJ	20 UJ
chrysene	20 U	20 U	20 U	20 U
dibenzo(a,h)anthracene	20 U	20 U	20 U	20 U
dibenzofuran	20 U	20 U	20 U	20 U
fluoranthene	20 U	20 U	20 U	20 U
fluorene	20 U	20 U	20 U	20 U
indeno(1,2,3-cd)pyrene	20 U	20 U	20 U	20 U
naphthalene	20 U	20 U	20 U	20 U
pentachlorophenol	50 U	60 U	60 U	60 U
phenanthrene	20 U	20 U	20 U	20 U
pyrene	20 U	20 U	20 U	20 U
Total HPAH (U=1/2)	100	100	100	100
Total LPAH (U=1/2)	70	70	70	70
Total PAH (U=1/2)	170	170	170	170
LPAH/HPAH (U=1/2)	0.7	0.7	0.7	0.7
Naphthalene/Total PAH (U=1/2)	0.12	0.12	0.12	0.12
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	90 U	100 U	100 U	90 U
C10-C11	--	--	--	--
C12-C13	--	--	--	--
C14-C15	--	--	--	--
C16-C17	--	--	--	--
C18-C19	--	--	--	--
C20-C21	--	--	--	--
C22-C23	--	--	--	--
C24-C25	--	--	--	--
C27-C28	--	--	--	--
C29-C30	--	--	--	--
C31-C32	--	--	--	--
C33-C34	--	--	--	--
C35-C36	--	--	--	--
C37-C39	--	--	--	--

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Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC	SB-057 C2 SB057-165-165.5 10/10/99	SB-057 C2 SB057-173.0-173.3 10/10/99	SB-057 C2 SB057-183.1-183.4 10/10/99	SB-057 C2 SB057-195.0-195.3 10/10/99
Soil Description NAPL Description	sand nothing	sand nothing	clay nothing	clay nothing
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	20 U	20 U	30 U	30 U
acenaphthene	20 U	20 U	30 U	30 U
acenaphthylene	20 U	20 U	30 U	30 U
anthracene	20 U	20 U	30 U	30 U
benzo(a)anthracene	20 U	20 U	30 U	30 U
benzo(a)pyrene	20 U	20 U	30 U	30 U
benzo(b)fluoranthene	20 U	20 U	30 U	30 U
benzo(g,h,i)perylene	20 U	20 U	30 U	30 U
benzo(k)fluoranthene	20 U	20 U	30 U	30 U
carbazole	20 UJ	20 UJ	30 UJ	30 UJ
chrysene	20 U	20 U	30 U	30 U
dibenzo(a,h)anthracene	20 U	20 U	30 U	30 U
dibenzofuran	20 U	20 U	30 U	30 U
fluoranthene	20 U	20 U	30 U	30 U
fluorene	20 U	20 U	30 U	30 U
indeno(1,2,3-cd)pyrene	20 U	20 U	30 U	30 U
naphthalene	20 U	20 U	30 U	30 U
pentachlorophenol	50 U	60 U	60 U	60 U
phenanthrene	20 U	20 U	30 U	30 U
pyrene	20 U	20 U	30 U	30 U
Total HPAH (U=1/2)	100	100	150	150
Total LPAH (U=1/2)	70	70	105	105
Total PAH (U=1/2)	170	170	255	255
LPAH/HPAH (U=1/2)	0.7	0.7	0.7	0.7
Naphthalene/Total PAH (U=1/2)	0.12	0.12	0.12	0.12
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	90 U	100 U	100 U	100 U
C10-C11	--	--	--	--
C12-C13	--	--	--	--
C14-C15	--	--	--	--
C16-C17	--	--	--	--
C18-C19	--	--	--	--
C20-C21	--	--	--	--
C22-C23	--	--	--	--
C24-C25	--	--	--	--
C27-C28	--	--	--	--
C29-C30	--	--	--	--
C31-C32	--	--	--	--
C33-C34	--	--	--	--
C35-C36	--	--	--	--
C37-C39	--	--	--	--

Table A-1
Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC	SB-057 C2 SB057-204.0-204.3 10/10/99	SB-057 C2 SB057-216.3-216.6 10/11/99	SB-057 C2 SB057-231.6-231.9 10/11/99	SB-057 C2 SB057-242-243 10/11/99
Soil Description NAPL Description	clay nothing	clay nothing	sand nothing	sand and gravel nothing
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	30 U	20 U	20 U	20 U
acenaphthene	30 U	20 U	20 U	20 U
acenaphthylene	30 U	20 U	20 U	20 U
anthracene	30 U	20 U	20 U	20 U
benzo(a)anthracene	30 U	20 U	20 U	20 U
benzo(a)pyrene	30 U	20 U	20 U	20 U
benzo(b)fluoranthene	30 U	20 U	20 U	20 U
benzo(g,h,i)perylene	30 U	20 U	20 U	20 U
benzo(k)fluoranthene	30 U	20 U	20 U	20 U
carbazole	30 UJ	20 UJ	20 UJ	20 UJ
chrysene	30 U	20 U	20 U	20 U
dibenzo(a,h)anthracene	30 U	20 U	20 U	20 U
dibenzofuran	30 U	20 U	20 U	20 U
fluoranthene	30 U	20 U	20 U	20 U
fluorene	30 U	20 U	20 U	20 U
indeno(1,2,3-cd)pyrene	30 U	20 U	20 U	20 U
naphthalene	30 U	20 U	20 U	20 U
pentachlorophenol	60 U	60 U	60 U	50 U
phenanthrene	30 U	20 U	20 U	20 U
pyrene	30 U	20 U	20 U	20 U
Total HPAH (U=1/2)	150	100	100	100
Total LPAH (U=1/2)	105	70	70	70
Total PAH (U=1/2)	255	170	170	170
LPAH/HPAH (U=1/2)	0.7	0.7	0.7	0.7
Naphthalene/Total PAH (U=1/2)	0.12	0.12	0.12	0.12
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	90 U	90 U	90 U	90 U
C10-C11	--	--	--	--
C12-C13	--	--	--	--
C14-C15	--	--	--	--
C16-C17	--	--	--	--
C18-C19	--	--	--	--
C20-C21	--	--	--	--
C22-C23	--	--	--	--
C24-C25	--	--	--	--
C27-C28	--	--	--	--
C29-C30	--	--	--	--
C31-C32	--	--	--	--
C33-C34	--	--	--	--
C35-C36	--	--	--	--
C37-C39	--	--	--	--

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Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC	SB-061 D2 SB061-126.0-126.3 8/31/99	SB-061 D2 SB061-133.0-133.3 8/31/99	SB-061 D2 SB061-139.7-140.0 8/31/99	SB-061 D2 SB061-144.3-144.7 8/31/99
Soil Description NAPL Description	sand odor	sand odor	sand odor	sand odor
LIF (counts/wavelength)				
Exsitu maximum intensity	368	--	--	--
Exsitu peak wavelength	402	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	20	20 U	--	--
acenaphthene	10 J	20 U	--	--
acenaphthylene	20 U	20 U	--	--
anthracene	20 U	20 U	--	--
benzo(a)anthracene	20 U	20 U	--	--
benzo(a)pyrene	20 U	20 U	--	--
benzo(b)fluoranthene	20 U	20 U	--	--
benzo(g,h,i)perylene	20 U	20 U	--	--
benzo(k)fluoranthene	20 U	20 U	--	--
carbazole	20 U	20 U	--	--
chrysene	20 U	20 U	--	--
dibenzo(a,h)anthracene	20 U	20 U	--	--
dibenzofuran	20 U	20 U	--	--
fluoranthene	20 U	20 U	--	--
fluorene	10 J	20 U	--	--
indeno(1,2,3-cd)pyrene	20 U	20 U	--	--
naphthalene	40	20 U	--	--
pentachlorophenol	60 U	60 U	--	--
phenanthrene	20	20 U	--	--
pyrene	20 U	20 U	--	--
Total HPAH (U=1/2)	100	100	--	--
Total LPAH (U=1/2)	120	70	--	--
Total PAH (U=1/2)	220	170	--	--
LPAH/HPAH (U=1/2)	1.2	0.7	--	--
Naphthalene/Total PAH (U=1/2)	0.18	0.12	--	--
TPH (mg/kg)				
TRPH	69	--	--	--
total hydrocarbons, C10-C39	130	100 U	100 U	100 U
C10-C11	33	--	--	--
C12-C13	26	--	--	--
C14-C15	27	--	--	--
C16-C17	22	--	--	--
C18-C19	13	--	--	--
C20-C21	8.6	--	--	--
C22-C23		--	--	--
C24-C25		--	--	--
C27-C28		--	--	--
C29-C30		--	--	--
C31-C32		--	--	--
C33-C34		--	--	--
C35-C36		--	--	--
C37-C39		--	--	--

Table A-1
Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-061 D2 SB061-154.0-154.4 8/31/99 Primary sand nothing	SB-061 D2 SB561-154.0-154.4 8/31/99 Field Duplicate sand nothing	SB-061 D2 SB061-166.5-167.0 8/31/99 sand nothing	SB-061 D2 SB061-172.7-173.0 8/31/99 sand nothing
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	20 U	20 U	--	--
acenaphthene	20 U	20 U	--	--
acenaphthylene	20 U	20 U	--	--
anthracene	20 U	20 U	--	--
benzo(a)anthracene	20 U	20 U	--	--
benzo(a)pyrene	20 U	20 U	--	--
benzo(b)fluoranthene	20 U	20 U	--	--
benzo(g,h,i)perylene	20 U	20 U	--	--
benzo(k)fluoranthene	20 U	20 U	--	--
carbazole	20 U	20 U	--	--
chrysene	20 U	20 U	--	--
dibenzo(a,h)anthracene	20 U	20 U	--	--
dibenzofuran	20 U	20 U	--	--
fluoranthene	20 U	20 U	--	--
fluorene	20 U	20 U	--	--
indeno(1,2,3-cd)pyrene	20 U	20 U	--	--
naphthalene	20 U	20 U	--	--
pentachlorophenol	60 U	60 U	--	--
phenanthrene	20 U	20 U	--	--
pyrene	20 U	20 U	--	--
Total HPAH (U=1/2)	100	100	--	--
Total LPAH (U=1/2)	70	70	--	--
Total PAH (U=1/2)	170	170	--	--
LPAH/HPAH (U=1/2)	0.7	0.7	--	--
Naphthalene/Total PAH (U=1/2)	0.12	0.12	--	--
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	100 U	100 U	100 U	100 U
C10-C11	--	--	--	--
C12-C13	--	--	--	--
C14-C15	--	--	--	--
C16-C17	--	--	--	--
C18-C19	--	--	--	--
C20-C21	--	--	--	--
C22-C23	--	--	--	--
C24-C25	--	--	--	--
C27-C28	--	--	--	--
C29-C30	--	--	--	--
C31-C32	--	--	--	--
C33-C34	--	--	--	--
C35-C36	--	--	--	--
C37-C39	--	--	--	--

Table A-1
Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC	SB-061 D2 SB061-184.3-184.7 8/31/99	SB-061 D2 SB061-192.0-192.4 9/1/99	SB-084 C1 SB084-11.0-11.4 9/17/99	SB-084 C1 SB084-13.3-13.6 9/17/99
Soil Description NAPL Description	sand nothing	sand nothing	clay sheen	clay sheen
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	--	--	20 J	30 U
acenaphthene	--	--	40	20 J
acenaphthylene	--	--	30 U	30 U
anthracene	--	--	20 J	30 U
benzo(a)anthracene	--	--	30 U	30 U
benzo(a)pyrene	--	--	30 U	30 U
benzo(b)fluoranthene	--	--	30 U	30 U
benzo(g,h,i)perylene	--	--	30 U	30 U
benzo(k)fluoranthene	--	--	30 U	30 U
carbazole	--	--	30 UJ	30 UJ
chrysene	--	--	10 J	20 U
dibenzo(a,h)anthracene	--	--	30 U	30 U
dibenzofuran	--	--	20 J	10 J
fluoranthene	--	--	40	20 J
fluorene	--	--	30	20 J
indeno(1,2,3-cd)pyrene	--	--	30 U	30 U
naphthalene	--	--	100	60
pentachlorophenol	--	--	120	70 U
phenanthrene	--	--	80	40
pyrene	--	--	30	10 J
Total HPAH (U=1/2)	--	--	185	145
Total LPAH (U=1/2)	--	--	305	185
Total PAH (U=1/2)	--	--	490	330
LPAH/HPAH (U=1/2)	--	--	1.6	1.3
Naphthalene/Total PAH (U=1/2)	--	--	0.2	0.18
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	100 U	100 U	220	100 U
C10-C11	--	--	34	--
C12-C13	--	--	25	--
C14-C15	--	--	43	--
C16-C17	--	--	52	--
C18-C19	--	--	30	--
C20-C21	--	--	32	--
C22-C23	--	--		--
C24-C25	--	--		--
C27-C28	--	--		--
C29-C30	--	--		--
C31-C32	--	--		--
C33-C34	--	--		--
C35-C36	--	--		--
C37-C39	--	--		--

Table A-1
Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC	SB-084 C1 SB084-49.3-49.8 9/17/99	SB-084 C1 SB084-51.0-51.3 9/17/99	SB-084 C1 SB084-111-111.4 9/18/99	SB-084 C1 SB084-116.4-116.8 9/18/99
Soil Description NAPL Description	sand sheen	sand sheen	clay nothing	sand nothing
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	20 U	20 U	20 U	--
acenaphthene	20 U	20 U	20 U	--
acenaphthylene	20 U	20 U	20 U	--
anthracene	20 U	20 U	20 U	--
benzo(a)anthracene	20 U	20 U	20 U	--
benzo(a)pyrene	20 U	20 U	20 U	--
benzo(b)fluoranthene	20 U	20 U	20 U	--
benzo(g,h,i)perylene	20 U	20 U	20 U	--
benzo(k)fluoranthene	20 U	20 U	20 U	--
carbazole	20 UJ	20 UJ	20 UJ	--
chrysene	20 U	20 U	20 U	--
dibenzo(a,h)anthracene	20 U	20 U	20 U	--
dibenzofuran	20 U	20 U	20 U	--
fluoranthene	20 U	20 U	20 U	--
fluorene	20 U	20 U	20 U	--
indeno(1,2,3-cd)pyrene	20 U	20 U	20 U	--
naphthalene	20 J	20 U	20 U	--
pentachlorophenol	60 U	60 U	60 U	--
phenanthrene	20 J	20 U	20 U	--
pyrene	20 U	20 U	20 U	--
Total HPAH (U=1/2)	100	100	100	--
Total LPAH (U=1/2)	90	70	70	--
Total PAH (U=1/2)	190	170	170	--
LPAH/HPAH (U=1/2)	0.9	0.7	0.7	--
Naphthalene/Total PAH (U=1/2)	0.11	0.12	0.12	--
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	210	100 U	100 U	100 U
C10-C11	38	--	--	--
C12-C13	28	--	--	--
C14-C15	38	--	--	--
C16-C17	46	--	--	--
C18-C19	27	--	--	--
C20-C21	29	--	--	--
C22-C23		--	--	--
C24-C25		--	--	--
C27-C28		--	--	--
C29-C30		--	--	--
C31-C32		--	--	--
C33-C34		--	--	--
C35-C36		--	--	--
C37-C39		--	--	--

Table A-1
Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-084 C1 SB084-121-121.5 9/18/99 sand nothing	SB-084 C1 SB084-129.5-129.8 9/18/99 sand nothing	SB-084 C1 SB084-135.6-136 9/18/99 Primary sand nothing	SB-084 C1 SB584-135.6-136 9/18/99 Field Duplicate sand nothing
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	20 U	--	20 U	20 U
acenaphthene	20 U	--	20 U	20 U
acenaphthylene	20 U	--	20 U	20 U
anthracene	20 U	--	20 U	20 U
benzo(a)anthracene	20 U	--	20 U	20 U
benzo(a)pyrene	20 U	--	20 U	20 U
benzo(b)fluoranthene	20 U	--	20 U	20 U
benzo(g,h,i)perylene	20 U	--	20 U	20 U
benzo(k)fluoranthene	20 U	--	20 U	20 U
carbazole	20 UJ	--	20 UJ	20 UJ
chrysene	20 U	--	20 U	20 U
dibenzo(a,h)anthracene	20 U	--	20 U	20 U
dibenzofuran	20 U	--	20 U	20 U
fluoranthene	20 U	--	20 U	20 U
fluorene	20 U	--	20 U	20 U
indeno(1,2,3-cd)pyrene	20 U	--	20 U	20 U
naphthalene	20 U	--	20 U	20 U
pentachlorophenol	60 U	--	60 U	60 U
phenanthrene	20 U	--	20 U	20 U
pyrene	20 U	--	20 U	20 U
Total HPAH (U=1/2)	100	--	100	100
Total LPAH (U=1/2)	70	--	70	70
Total PAH (U=1/2)	170	--	170	170
LPAH/HPAH (U=1/2)	0.7	--	0.7	0.7
Naphthalene/Total PAH (U=1/2)	0.12	--	0.12	0.12
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	100 U	100 U	100 U	100 U
C10-C11	--	--	--	--
C12-C13	--	--	--	--
C14-C15	--	--	--	--
C16-C17	--	--	--	--
C18-C19	--	--	--	--
C20-C21	--	--	--	--
C22-C23	--	--	--	--
C24-C25	--	--	--	--
C27-C28	--	--	--	--
C29-C30	--	--	--	--
C31-C32	--	--	--	--
C33-C34	--	--	--	--
C35-C36	--	--	--	--
C37-C39	--	--	--	--

Table A-1
Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-084 C1 SB084-143.0-143.3 9/18/99 sand nothing	SB-084 C1 SB084-147.5-147.8 9/18/99 sand nothing	SB-084 C1 SB084-153.5-153.8 9/18/99 sand nothing	SB-084 C1 SB084-159.7-160.0 9/18/99 sand nothing
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	--	--	--	--
acenaphthene	--	--	--	--
acenaphthylene	--	--	--	--
anthracene	--	--	--	--
benzo(a)anthracene	--	--	--	--
benzo(a)pyrene	--	--	--	--
benzo(b)fluoranthene	--	--	--	--
benzo(g,h,i)perylene	--	--	--	--
benzo(k)fluoranthene	--	--	--	--
carbazole	--	--	--	--
chrysene	--	--	--	--
dibenzo(a,h)anthracene	--	--	--	--
dibenzofuran	--	--	--	--
fluoranthene	--	--	--	--
fluorene	--	--	--	--
indeno(1,2,3-cd)pyrene	--	--	--	--
naphthalene	--	--	--	--
pentachlorophenol	--	--	--	--
phenanthrene	--	--	--	--
pyrene	--	--	--	--
Total HPAH (U=1/2)	--	--	--	--
Total LPAH (U=1/2)	--	--	--	--
Total PAH (U=1/2)	--	--	--	--
LPAH/HPAH (U=1/2)	--	--	--	--
Naphthalene/Total PAH (U=1/2)	--	--	--	--
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	100 U	100 U	100 U	100 U
C10-C11	--	--	--	--
C12-C13	--	--	--	--
C14-C15	--	--	--	--
C16-C17	--	--	--	--
C18-C19	--	--	--	--
C20-C21	--	--	--	--
C22-C23	--	--	--	--
C24-C25	--	--	--	--
C27-C28	--	--	--	--
C29-C30	--	--	--	--
C31-C32	--	--	--	--
C33-C34	--	--	--	--
C35-C36	--	--	--	--
C37-C39	--	--	--	--

Table A-1
Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-084 C1 SB084-164.3-164.6 9/18/99 sand nothing	SB-084 C1 SB084-168.0-168.3 9/18/99 sand nothing	SB-084 C1 SB084-171.3-171.6 9/18/99 sand nothing	SB-084 C1 SB084-176.5-176.8 9/18/99 sand nothing
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	--	--	--	--
acenaphthene	--	--	--	--
acenaphthylene	--	--	--	--
anthracene	--	--	--	--
benzo(a)anthracene	--	--	--	--
benzo(a)pyrene	--	--	--	--
benzo(b)fluoranthene	--	--	--	--
benzo(g,h,i)perylene	--	--	--	--
benzo(k)fluoranthene	--	--	--	--
carbazole	--	--	--	--
chrysene	--	--	--	--
dibenzo(a,h)anthracene	--	--	--	--
dibenzofuran	--	--	--	--
fluoranthene	--	--	--	--
fluorene	--	--	--	--
indeno(1,2,3-cd)pyrene	--	--	--	--
naphthalene	--	--	--	--
pentachlorophenol	--	--	--	--
phenanthrene	--	--	--	--
pyrene	--	--	--	--
Total HPAH (U=1/2)	--	--	--	--
Total LPAH (U=1/2)	--	--	--	--
Total PAH (U=1/2)	--	--	--	--
LPAH/HPAH (U=1/2)	--	--	--	--
Naphthalene/Total PAH (U=1/2)	--	--	--	--
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	100 U	100 U	100 U	100 U
C10-C11	--	--	--	--
C12-C13	--	--	--	--
C14-C15	--	--	--	--
C16-C17	--	--	--	--
C18-C19	--	--	--	--
C20-C21	--	--	--	--
C22-C23	--	--	--	--
C24-C25	--	--	--	--
C27-C28	--	--	--	--
C29-C30	--	--	--	--
C31-C32	--	--	--	--
C33-C34	--	--	--	--
C35-C36	--	--	--	--
C37-C39	--	--	--	--

Table A-1
Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC	SB-084 C1 SB084-181.4-181.7 9/18/99	SB-084 C1 SB084-189.3-189.6 9/18/99	SB-084 C1 SB084-191.4-191.8 9/19/99	SB-084 C1 SB084-197.0-197.3 9/19/99
Soil Description NAPL Description	clay nothing	sand nothing	sand nothing	sand nothing
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	--	--	--	--
acenaphthene	--	--	--	--
acenaphthylene	--	--	--	--
anthracene	--	--	--	--
benzo(a)anthracene	--	--	--	--
benzo(a)pyrene	--	--	--	--
benzo(b)fluoranthene	--	--	--	--
benzo(g,h,i)perylene	--	--	--	--
benzo(k)fluoranthene	--	--	--	--
carbazole	--	--	--	--
chrysene	--	--	--	--
dibenzo(a,h)anthracene	--	--	--	--
dibenzofuran	--	--	--	--
fluoranthene	--	--	--	--
fluorene	--	--	--	--
indeno(1,2,3-cd)pyrene	--	--	--	--
naphthalene	--	--	--	--
pentachlorophenol	--	--	--	--
phenanthrene	--	--	--	--
pyrene	--	--	--	--
Total HPAH (U=1/2)	--	--	--	--
Total LPAH (U=1/2)	--	--	--	--
Total PAH (U=1/2)	--	--	--	--
LPAH/HPAH (U=1/2)	--	--	--	--
Naphthalene/Total PAH (U=1/2)	--	--	--	--
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	100 U	100 U	100 U	100 U
C10-C11	--	--	--	--
C12-C13	--	--	--	--
C14-C15	--	--	--	--
C16-C17	--	--	--	--
C18-C19	--	--	--	--
C20-C21	--	--	--	--
C22-C23	--	--	--	--
C24-C25	--	--	--	--
C27-C28	--	--	--	--
C29-C30	--	--	--	--
C31-C32	--	--	--	--
C33-C34	--	--	--	--
C35-C36	--	--	--	--
C37-C39	--	--	--	--

Table A-1
Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-084 C1 SB084-208.5-208.8 9/19/99 clay nothing	SB-084 C1 SB084-212.0-212.4 9/19/99 sand nothing	SB-084 C1 SB084-218.0-218.4 9/19/99 clay nothing	SB-084 C1 SB084-226.0-226.5 9/19/99 Primary clay nothing
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	--	--	--	20 U
acenaphthene	--	--	--	20 U
acenaphthylene	--	--	--	20 U
anthracene	--	--	--	20 U
benzo(a)anthracene	--	--	--	20 U
benzo(a)pyrene	--	--	--	20 U
benzo(b)fluoranthene	--	--	--	20 U
benzo(g,h,i)perylene	--	--	--	20 U
benzo(k)fluoranthene	--	--	--	20 U
carbazole	--	--	--	20 UJ
chrysene	--	--	--	20 U
dibenzo(a,h)anthracene	--	--	--	20 U
dibenzofuran	--	--	--	20 U
fluoranthene	--	--	--	20 U
fluorene	--	--	--	20 U
indeno(1,2,3-cd)pyrene	--	--	--	20 U
naphthalene	--	--	--	20 U
pentachlorophenol	--	--	--	60 U
phenanthrene	--	--	--	20 U
pyrene	--	--	--	20 U
Total HPAH (U=1/2)	--	--	--	100
Total LPAH (U=1/2)	--	--	--	70
Total PAH (U=1/2)	--	--	--	170
LPAH/HPAH (U=1/2)	--	--	--	0.7
Naphthalene/Total PAH (U=1/2)	--	--	--	0.12
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	100 U	100 U	100 U	100 U
C10-C11	--	--	--	--
C12-C13	--	--	--	--
C14-C15	--	--	--	--
C16-C17	--	--	--	--
C18-C19	--	--	--	--
C20-C21	--	--	--	--
C22-C23	--	--	--	--
C24-C25	--	--	--	--
C27-C28	--	--	--	--
C29-C30	--	--	--	--
C31-C32	--	--	--	--
C33-C34	--	--	--	--
C35-C36	--	--	--	--
C37-C39	--	--	--	--

Table A-1
Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-084 C1 SB584-226.0-226.5 9/19/99 Field Duplicate clay nothing	SB-084 C1 SB084-239.0-239.5 9/19/99 Field Duplicate sand nothing	SB-086 C1 SB086-9.2-9.4 9/28/99 Field Duplicate sand nothing	SB-086 C1 SB086-17-17.3 9/28/99 Field Duplicate clay sheen
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	20 U	--	20 U	110
acenaphthene	20 U	--	20 U	90
acenaphthylene	20 U	--	20 U	20 U
anthracene	20 U	--	20 U	240
benzo(a)anthracene	20 U	--	20 U	30
benzo(a)pyrene	20 U	--	20 U	20 U
benzo(b)fluoranthene	20 U	--	20 U	20 U
benzo(g,h,i)perylene	20 U	--	20 U	20 U
benzo(k)fluoranthene	20 U	--	20 U	10 J
carbazole	20 UJ	--	20 U	100
chrysene	20 U	--	20 U	30
dibenzo(a,h)anthracene	20 U	--	20 U	20 U
dibenzofuran	20 U	--	20 U	60
fluoranthene	20 U	--	20 U	120
fluorene	20 U	--	20 U	80
indeno(1,2,3-cd)pyrene	20 U	--	20 U	20 U
naphthalene	20 U	--	20 U	700
pentachlorophenol	60 U	--	60 U	2100 J
phenanthrene	20 U	--	20 U	250
pyrene	20 U	--	20 U	100
Total HPAH (U=1/2)	100	--	100	340
Total LPAH (U=1/2)	70	--	70	1480
Total PAH (U=1/2)	170	--	170	1820
LPAH/HPAH (U=1/2)	0.7	--	0.7	4.4
Naphthalene/Total PAH (U=1/2)	0.12	--	0.12	0.38
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	100 U	100 U	100 U	1900
C10-C11	--	--	--	530
C12-C13	--	--	--	220
C14-C15	--	--	--	240
C16-C17	--	--	--	420
C18-C19	--	--	--	140
C20-C21	--	--	--	180
C22-C23	--	--	--	66
C24-C25	--	--	--	44
C27-C28	--	--	--	16
C29-C30	--	--	--	10
C31-C32	--	--	--	
C33-C34	--	--	--	
C35-C36	--	--	--	
C37-C39	--	--	--	

Table A-1
Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-086 C1 SB086-21.6-23.3 9/28/99 silt sheen	SB-086 C1 SB086-27-28.5 9/28/99 Primary silt sheen	SB-086 C1 SB586-27-28.5 9/28/99 Field Duplicate silt sheen	SB-086 C1 SB086-33.6-35 9/28/99 sand visible
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	400	300	240	230
acenaphthene	240	190	160	150
acenaphthylene	20 U	20 U	20 U	20 U
anthracene	150	100	90	70
benzo(a)anthracene	40	40	30	20
benzo(a)pyrene	20	10 J	20 U	20 U
benzo(b)fluoranthene	10 J	20 U	20 U	20 U
benzo(g,h,i)perylene	20 U	20 U	20 U	20 U
benzo(k)fluoranthene	20	10 J	10 J	20 U
carbazole	70	50	40	40
chrysene	50	40	30	20
dibenzo(a,h)anthracene	20 U	20 U	20 U	20 U
dibenzofuran	140	110	100	80
fluoranthene	220	170	140	110
fluorene	180	150	120	110
indeno(1,2,3-cd)pyrene	20 U	20 U	20 U	20 U
naphthalene	3500	1200	900	600
pentachlorophenol	30 J	60 U	60 U	60 U
phenanthrene	600	400	300	260
pyrene	170	140	120	90
Total HPAH (U=1/2)	560	450	380	300
Total LPAH (U=1/2)	5080	2350	1820	1430
Total PAH (U=1/2)	5640	2800	2200	1730
LPAH/HPAH (U=1/2)	9.1	5.2	4.8	4.8
Naphthalene/Total PAH (U=1/2)	0.62	0.43	0.41	0.35
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	12000	4600	7700	3600
C10-C11	5200	1500	2200	960
C12-C13	1400	590	1000	540
C14-C15	1600	740	1300	640
C16-C17	1600	690	1200	580
C18-C19	1100	510	920	400
C20-C21	720	320	580	290
C22-C23	380	150	250	130
C24-C25		41	110	
C27-C28	90	34	63	13
C29-C30			27	
C31-C32				
C33-C34				
C35-C36				
C37-C39				

Table A-1
Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC	SB-086 C1 SB086-36.3-38 9/28/99	SB-086 C1 SB086-44-45 9/28/99	SB-086 C1 SB086-49-50 9/28/99	SB-086 C1 SB086-55-56 9/28/99
Soil Description NAPL Description	sand visible	sand sheen	clay odor	sand nothing
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	700	160	20	20 U
acenaphthene	400	90	20	20 U
acenaphthylene	20 U	20 U	20 U	20 U
anthracene	140	40	20 U	20 U
benzo(a)anthracene	40	10 J	20 U	20 U
benzo(a)pyrene	10 J	20 U	20 U	20 U
benzo(b)fluoranthene	10 J	20 U	20 U	20 U
benzo(g,h,i)perylene	20 U	20 U	20 U	20 U
benzo(k)fluoranthene	10 J	20 U	20 U	20 U
carbazole	60	20	20 U	20 U
chrysene	40	10 J	20 U	20 U
dibenzo(a,h)anthracene	20 U	20 U	20 U	20 U
dibenzofuran	170	50	20 U	20 U
fluoranthene	200	60	10 J	20 U
fluorene	210	70	10 J	20 U
indeno(1,2,3-cd)pyrene	20 U	20 U	20 U	20 U
naphthalene	1800	380	40	20 U
pentachlorophenol	50 UJ	60 U	60 U	60 U
phenanthrene	600	150	40	20 U
pyrene	160	50	10 J	20 U
Total HPAH (U=1/2)	500	190	100	100
Total LPAH (U=1/2)	3860	900	150	70
Total PAH (U=1/2)	4360	1090	250	170
LPAH/HPAH (U=1/2)	7.7	4.7	1.5	0.7
Naphthalene/Total PAH (U=1/2)	0.41	0.35	0.16	0.12
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	11000	3700	69 J	100 U
C10-C11	2900	1000	16	--
C12-C13	1800	640	8	--
C14-C15	1800	650	17	--
C16-C17	1700	600	14	--
C18-C19	1200	410		--
C20-C21	780	300	8	--
C22-C23	470	90		--
C24-C25		47		--
C27-C28	120	16		--
C29-C30				--
C31-C32				--
C33-C34				--
C35-C36				--
C37-C39			7.3	--

Table A-1
Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC	SB-092 C3 SB092-51.5-51.8 9/20/99	SB-092 C3 SB092-57.0-57.3 9/20/99	SB-092 C3 SB092-79.5-79.8 9/20/99	SB-092 C3 SB092-82.5-82.8 9/20/99
Soil Description NAPL Description	clay odor	clay odor	sand nothing	sand odor
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	30	20 U	50	20 U
acenaphthene	30	20 U	40	20 U
acenaphthylene	20 U	20 U	20 U	20 U
anthracene	10 J	20 U	20	20 U
benzo(a)anthracene	20 U	20 U	10 J	20 U
benzo(a)pyrene	20 U	20 U	20 U	20 U
benzo(b)fluoranthene	20 U	20 U	20 U	20 U
benzo(g,h,i)perylene	20 U	20 U	20 U	20 U
benzo(k)fluoranthene	20 U	20 U	20 U	20 U
carbazole	20 UJ	20 UJ	20 UJ	20 UJ
chrysene	20 U	20 U	10 J	20 U
dibenzo(a,h)anthracene	20 U	20 U	20 U	20 U
dibenzofuran	20	20 U	30	20 U
fluoranthene	30	20 U	60	20 U
fluorene	20	20 U	40	20 U
indeno(1,2,3-cd)pyrene	20 U	20 U	20 U	20 U
naphthalene	40	20 U	70	20 U
pentachlorophenol	60 U	60 U	60 U	60 U
phenanthrene	70	20 U	120	20 U
pyrene	20	20 U	40	20 U
Total HPAH (U=1/2)	130	100	180	100
Total LPAH (U=1/2)	210	70	350	70
Total PAH (U=1/2)	340	170	530	170
LPAH/HPAH (U=1/2)	1.6	0.7	1.9	0.7
Naphthalene/Total PAH (U=1/2)	0.12	0.12	0.13	0.12
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	480	100 U	350	100 U
C10-C11	71	--	59	--
C12-C13	72	--	44	--
C14-C15	110	--	67	--
C16-C17	89	--	59	--
C18-C19	60	--	46	--
C20-C21	35	--	28	--
C22-C23	24	--	20	--
C24-C25	5.2	--	5	--
C27-C28	6.6	--	7	--
C29-C30		--		--
C31-C32		--		--
C33-C34		--		--
C35-C36		--		--
C37-C39		--		--

Table A-1
Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-092 C3 SB092-86.0-86.5 9/20/99 Primary sand odor	SB-092 C3 SB592-86.0-86.5 9/20/99 Field Duplicate sand odor	SB-092 C3 SB092-90.5-90.8 9/20/99 sand nothing	SB-092 C3 SB092-95.7-96.0 9/20/99 sand nothing
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	20 U	20 U	--	20 U
acenaphthene	20 U	20 U	--	20 U
acenaphthylene	20 U	20 U	--	20 U
anthracene	20 U	20 U	--	20 U
benzo(a)anthracene	20 U	20 U	--	20 U
benzo(a)pyrene	20 U	20 U	--	20 U
benzo(b)fluoranthene	20 U	20 U	--	20 U
benzo(g,h,i)perylene	20 U	20 U	--	20 U
benzo(k)fluoranthene	20 U	20 U	--	20 U
carbazole	20 UJ	20 UJ	--	20 UJ
chrysene	20 U	20 U	--	20 U
dibenzo(a,h)anthracene	20 U	20 U	--	20 U
dibenzofuran	20 U	20 U	--	20 U
fluoranthene	20 U	20 U	--	20 U
fluorene	20 U	20 U	--	20 U
indeno(1,2,3-cd)pyrene	20 U	20 U	--	20 U
naphthalene	20 U	20 U	--	20 U
pentachlorophenol	60 U	60 U	--	50 U
phenanthrene	20 U	20 U	--	20 U
pyrene	20 U	20 U	--	20 U
Total HPAH (U=1/2)	100	100	--	100
Total LPAH (U=1/2)	70	70	--	70
Total PAH (U=1/2)	170	170	--	170
LPAH/HPAH (U=1/2)	0.7	0.7	--	0.7
Naphthalene/Total PAH (U=1/2)	0.12	0.12	--	0.12
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	100 U	100 U	100 U	100 U
C10-C11	--	--	--	--
C12-C13	--	--	--	--
C14-C15	--	--	--	--
C16-C17	--	--	--	--
C18-C19	--	--	--	--
C20-C21	--	--	--	--
C22-C23	--	--	--	--
C24-C25	--	--	--	--
C27-C28	--	--	--	--
C29-C30	--	--	--	--
C31-C32	--	--	--	--
C33-C34	--	--	--	--
C35-C36	--	--	--	--
C37-C39	--	--	--	--

Table A-1
Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC	SB-092 C3 SB092-104.0-104.3 9/20/99	SB-092 C3 SB092-106.3-106.6 9/20/99	SB-092 C3 SB092-114-114.3 9/21/99	SB-092 C3 SB092-116.5-116.8 9/21/99
Soil Description NAPL Description	sand odor	clay odor	sand sheen	sand sheen
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	--	--	20 U	--
acenaphthene	--	--	20 U	--
acenaphthylene	--	--	20 U	--
anthracene	--	--	20 U	--
benzo(a)anthracene	--	--	20 U	--
benzo(a)pyrene	--	--	20 U	--
benzo(b)fluoranthene	--	--	20 U	--
benzo(g,h,i)perylene	--	--	20 U	--
benzo(k)fluoranthene	--	--	20 U	--
carbazole	--	--	20 U	--
chrysene	--	--	20 U	--
dibenzo(a,h)anthracene	--	--	20 U	--
dibenzofuran	--	--	20 U	--
fluoranthene	--	--	20	--
fluorene	--	--	20 U	--
indeno(1,2,3-cd)pyrene	--	--	20 U	--
naphthalene	--	--	20 U	--
pentachlorophenol	--	--	60 U	--
phenanthrene	--	--	30	--
pyrene	--	--	10 J	--
Total HPAH (U=1/2)	--	--	110	--
Total LPAH (U=1/2)	--	--	90	--
Total PAH (U=1/2)	--	--	200	--
LPAH/HPAH (U=1/2)	--	--	0.82	--
Naphthalene/Total PAH (U=1/2)	--	--	0.1	--
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	100 U	95 U	130	100 U
C10-C11	--	--	20	--
C12-C13	--	--	14	--
C14-C15	--	--	31	--
C16-C17	--	--	29	--
C18-C19	--	--	16	--
C20-C21	--	--	17	--
C22-C23	--	--		--
C24-C25	--	--		--
C27-C28	--	--		--
C29-C30	--	--		--
C31-C32	--	--		--
C33-C34	--	--		--
C35-C36	--	--		--
C37-C39	--	--		--

Table A-1
Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-092 C3 SB092-122.5-122.8 9/21/99 clay odor	SB-092 C3 SB092-128.1-128.4 9/21/99 sand odor	SB-092 C3 SB092-131.0-131.5 9/21/99 Primary sand odor	SB-092 C3 SB592-131.0-131.5 9/21/99 Field Duplicate sand odor
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	--	--	20 U	20 U
acenaphthene	--	--	20 U	20 U
acenaphthylene	--	--	20 U	20 U
anthracene	--	--	20 U	20 U
benzo(a)anthracene	--	--	20 U	20 U
benzo(a)pyrene	--	--	20 U	20 U
benzo(b)fluoranthene	--	--	20 U	20 U
benzo(g,h,i)perylene	--	--	20 U	20 U
benzo(k)fluoranthene	--	--	20 U	20 U
carbazole	--	--	20 UJ	20 UJ
chrysene	--	--	20 U	20 U
dibenzo(a,h)anthracene	--	--	20 U	20 U
dibenzofuran	--	--	20 U	20 U
fluoranthene	--	--	20 U	20 U
fluorene	--	--	20 U	20 U
indeno(1,2,3-cd)pyrene	--	--	20 U	20 U
naphthalene	--	--	20 U	20 U
pentachlorophenol	--	--	60 U	60 U
phenanthrene	--	--	20 U	20 U
pyrene	--	--	20 U	20 U
Total HPAH (U=1/2)	--	--	100	100
Total LPAH (U=1/2)	--	--	70	70
Total PAH (U=1/2)	--	--	170	170
LPAH/HPAH (U=1/2)	--	--	0.7	0.7
Naphthalene/Total PAH (U=1/2)	--	--	0.12	0.12
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	100 U	100 U	100 U	100 U
C10-C11	--	--	--	--
C12-C13	--	--	--	--
C14-C15	--	--	--	--
C16-C17	--	--	--	--
C18-C19	--	--	--	--
C20-C21	--	--	--	--
C22-C23	--	--	--	--
C24-C25	--	--	--	--
C27-C28	--	--	--	--
C29-C30	--	--	--	--
C31-C32	--	--	--	--
C33-C34	--	--	--	--
C35-C36	--	--	--	--
C37-C39	--	--	--	--

Table A-1
Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-092 C3 SB092-139.5-139.8 9/21/99 sand sheen	SB-092 C3 SB092-143.0-143.3 9/21/99 sand sheen	SB-092 C3 SB092-145.7-146 9/21/99 sand sheen
LIF (counts/wavelength)			
Exsitu maximum intensity	--	--	--
Exsitu peak wavelength	--	--	--
PAHs (mg/kg)			
2-methylnaphthalene	100	--	20 U
acenaphthene	80	--	20 U
acenaphthylene	20 U	--	20 U
anthracene	40	--	20 U
benzo(a)anthracene	20	--	20 U
benzo(a)pyrene	10 J	--	20 U
benzo(b)fluoranthene	10 J	--	20 U
benzo(g,h,i)perylene	20 U	--	20 U
benzo(k)fluoranthene	10 J	--	20 U
carbazole	20 J	--	20 U
chrysene	20	--	20 U
dibenz(a,h)anthracene	20 U	--	20 U
dibenzofuran	50	--	20 U
fluoranthene	90	--	20 U
fluorene	60	--	20 U
indeno(1,2,3-cd)pyrene	20 U	--	20 U
naphthalene	190	--	20 U
pentachlorophenol	60 U	--	60 UJ
phenanthrene	170	--	20 U
pyrene	70	--	20 U
Total HPAH (U=1/2)	260	--	100
Total LPAH (U=1/2)	650	--	70
Total PAH (U=1/2)	910	--	170
LPAH/HPAH (U=1/2)	2.5	--	0.7
Naphthalene/Total PAH (U=1/2)	0.21	--	0.12
TPH (mg/kg)			
TRPH	--	--	--
total hydrocarbons, C10-C39	1100	100 U	100 U
C10-C11	270	--	--
C12-C13	140	--	--
C14-C15	170	--	--
C16-C17	160	--	--
C18-C19	110	--	--
C20-C21	96	--	--
C22-C23	54	--	--
C24-C25	15	--	--
C27-C28	23	--	--
C29-C30	11	--	--
C31-C32		--	--
C33-C34		--	--
C35-C36		--	--
C37-C39		--	--

Table A-1
Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC	SB-092 C3 SB092-152.5-153.0 9/21/99	SB-092 C3 SB092-158.0-158.3 9/21/99	SB-092 C3 SB092-162.0 -162.3 9/21/99	SB-092 C3 SB092-169.0-169.3 9/21/99
Soil Description NAPL Description	sand odor	clay nothing	clay nothing	sand odor
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	20 U	--	--	--
acenaphthene	20 U	--	--	--
acenaphthylene	20 U	--	--	--
anthracene	20 U	--	--	--
benzo(a)anthracene	20 U	--	--	--
benzo(a)pyrene	20 U	--	--	--
benzo(b)fluoranthene	20 U	--	--	--
benzo(g,h,i)perylene	20 U	--	--	--
benzo(k)fluoranthene	20 U	--	--	--
carbazole	20 UJ	--	--	--
chrysene	20 U	--	--	--
dibenzo(a,h)anthracene	20 U	--	--	--
dibenzofuran	20 U	--	--	--
fluoranthene	20 U	--	--	--
fluorene	20 U	--	--	--
indeno(1,2,3-cd)pyrene	20 U	--	--	--
naphthalene	20 U	--	--	--
pentachlorophenol	60 U	--	--	--
phenanthrene	20 U	--	--	--
pyrene	20 U	--	--	--
Total HPAH (U=1/2)	100	--	--	--
Total LPAH (U=1/2)	70	--	--	--
Total PAH (U=1/2)	170	--	--	--
LPAH/HPAH (U=1/2)	0.7	--	--	--
Naphthalene/Total PAH (U=1/2)	0.12	--	--	--
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	100 U	100 U	100 U	100 U
C10-C11	--	--	--	--
C12-C13	--	--	--	--
C14-C15	--	--	--	--
C16-C17	--	--	--	--
C18-C19	--	--	--	--
C20-C21	--	--	--	--
C22-C23	--	--	--	--
C24-C25	--	--	--	--
C27-C28	--	--	--	--
C29-C30	--	--	--	--
C31-C32	--	--	--	--
C33-C34	--	--	--	--
C35-C36	--	--	--	--
C37-C39	--	--	--	--

Table A-1
Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC	SB-092 C3 SB092-172.0-172.3 9/21/99	SB-092 C3 SB092-176.7-177.0 9/21/99	SB-092 C3 SB092-181.7-182.0 9/21/99	SB-092 C3 SB092-187.7-188.0 9/21/99
Soil Description NAPL Description	sand odor	sand odor	clay nothing	sand nothing
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	--	--	--	--
acenaphthene	--	--	--	--
acenaphthylene	--	--	--	--
anthracene	--	--	--	--
benzo(a)anthracene	--	--	--	--
benzo(a)pyrene	--	--	--	--
benzo(b)fluoranthene	--	--	--	--
benzo(g,h,i)perylene	--	--	--	--
benzo(k)fluoranthene	--	--	--	--
carbazole	--	--	--	--
chrysene	--	--	--	--
dibenzo(a,h)anthracene	--	--	--	--
dibenzofuran	--	--	--	--
fluoranthene	--	--	--	--
fluorene	--	--	--	--
indeno(1,2,3-cd)pyrene	--	--	--	--
naphthalene	--	--	--	--
pentachlorophenol	--	--	--	--
phenanthrene	--	--	--	--
pyrene	--	--	--	--
Total HPAH (U=1/2)	--	--	--	--
Total LPAH (U=1/2)	--	--	--	--
Total PAH (U=1/2)	--	--	--	--
LPAH/HPAH (U=1/2)	--	--	--	--
Naphthalene/Total PAH (U=1/2)	--	--	--	--
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	100 U	100 U	100 U	100 U
C10-C11	--	--	--	--
C12-C13	--	--	--	--
C14-C15	--	--	--	--
C16-C17	--	--	--	--
C18-C19	--	--	--	--
C20-C21	--	--	--	--
C22-C23	--	--	--	--
C24-C25	--	--	--	--
C27-C28	--	--	--	--
C29-C30	--	--	--	--
C31-C32	--	--	--	--
C33-C34	--	--	--	--
C35-C36	--	--	--	--
C37-C39	--	--	--	--

Table A-1
Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-092 C3 SB092-192.5-192.8 9/22/99 sand nothing	SB-092 C3 SB092-202.3-202.6 9/22/99 clay nothing	SB-092 C3 SB092-209-209.3 9/22/99 silt nothing	SB-092 C3 SB092-212.0-212.3 9/22/99 clay nothing
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	--	--	--	--
acenaphthene	--	--	--	--
acenaphthylene	--	--	--	--
anthracene	--	--	--	--
benzo(a)anthracene	--	--	--	--
benzo(a)pyrene	--	--	--	--
benzo(b)fluoranthene	--	--	--	--
benzo(g,h,i)perylene	--	--	--	--
benzo(k)fluoranthene	--	--	--	--
carbazole	--	--	--	--
chrysene	--	--	--	--
dibenzo(a,h)anthracene	--	--	--	--
dibenzofuran	--	--	--	--
fluoranthene	--	--	--	--
fluorene	--	--	--	--
indeno(1,2,3-cd)pyrene	--	--	--	--
naphthalene	--	--	--	--
pentachlorophenol	--	--	--	--
phenanthrene	--	--	--	--
pyrene	--	--	--	--
Total HPAH (U=1/2)	--	--	--	--
Total LPAH (U=1/2)	--	--	--	--
Total PAH (U=1/2)	--	--	--	--
LPAH/HPAH (U=1/2)	--	--	--	--
Naphthalene/Total PAH (U=1/2)	--	--	--	--
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	100 U	100 U	100 U	100 U
C10-C11	--	--	--	--
C12-C13	--	--	--	--
C14-C15	--	--	--	--
C16-C17	--	--	--	--
C18-C19	--	--	--	--
C20-C21	--	--	--	--
C22-C23	--	--	--	--
C24-C25	--	--	--	--
C27-C28	--	--	--	--
C29-C30	--	--	--	--
C31-C32	--	--	--	--
C33-C34	--	--	--	--
C35-C36	--	--	--	--
C37-C39	--	--	--	--

Table A-1
Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-092 C3 SB092-218.0-218.3 9/22/99 clay nothing	SB-099 C3 SB099-3.1-4.6 9/30/99 Primary sand sheen	SB-099 C3 SB599-3.1-4.6 9/30/99 Field Duplicate sand sheen	SB-099 C3 SB099-13.4-14.7 9/30/99 clay odor
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	--	60	140	400
acenaphthene	--	40	80	600
acenaphthylene	--	40 U	40 U	30 U
anthracene	--	110	110	270
benzo(a)anthracene	--	40	40	110
benzo(a)pyrene	--	30 J	30 J	30
benzo(b)fluoranthene	--	40	40	30
benzo(g,h,i)perylene	--	40 U	40 U	30 U
benzo(k)fluoranthene	--	40	20 J	30
carbazole	--	50 J	50 J	100 J
chrysene	--	60	60	100
dibenzo(a,h)anthracene	--	40 U	40 U	30 U
dibenzofuran	--	20 J	40	400
fluoranthene	--	160	170	600
fluorene	--	30 J	60	500
indeno(1,2,3-cd)pyrene	--	20 J	40 U	30 U
naphthalene	--	200	440	500
pentachlorophenol	--	100	200	70 U
phenanthrene	--	150	180	1200
pyrene	--	140	160	500
Total HPAH (U=1/2)	--	570	580	1445
Total LPAH (U=1/2)	--	610	1030	3485
Total PAH (U=1/2)	--	1180	1610	4930
LPAH/HPAH (U=1/2)	--	1.1	1.8	2.4
Naphthalene/Total PAH (U=1/2)	--	0.17	0.27	0.1
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	100 U	2100	6200	6400
C10-C11	--	300	300	390
C12-C13	--	230	170	540
C14-C15	--	290	300	1300
C16-C17	--	250	490	1400
C18-C19	--	260	880	1100
C20-C21	--	200	890	790
C22-C23	--	200	940	330
C24-C25	--	140	680	210
C27-C28	--	130	630	150
C29-C30	--	110	600	89
C31-C32	--		90	
C33-C34	--	23	150	17
C35-C36	--		44	
C37-C39	--		49	

Table A-1
Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-099 C3 SB099-27.5-29.5 9/30/99 Primary sand sheen	SB-099 C3 SB599-27.5-29.5 9/30/99 Field Duplicate sand sheen	SB-099 C3 SB099-31-33 9/30/99 sand mobile	SB-099 C3 SB099-41-42.5 10/6/99 silt/sand sheen
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	800	700	130	500
acenaphthene	1000	1000	170	500
acenaphthylene	30 J	30 J	20 U	20 U
anthracene	350	340	70	200
benzo(a)anthracene	170	150	30	100
benzo(a)pyrene	50	50	10 J	30
benzo(b)fluoranthene	40 J	40 J	20 U	30
benzo(g,h,i)perylene	50 U	50 U	20 U	20 U
benzo(k)fluoranthene	50	50	10 J	30
carbazole	180 J	180 J	40 J	120 J
chrysene	170	160	30	100
dibenzo(a,h)anthracene	50 U	50 U	20 U	20 U
dibenzofuran	540	500	100	400
fluoranthene	900	900	160	500
fluorene	800	800	140	500
indeno(1,2,3-cd)pyrene	50 U	50 U	20 U	10 J
naphthalene	2000	1900	320	1200
pentachlorophenol	100 U	100 U	60 U	60 U
phenanthrene	2000	2000	360	1200
pyrene	800	700	140	400
Total HPAH (U=1/2)	2255	2125	420	1220
Total LPAH (U=1/2)	6980	6770	1200	4110
Total PAH (U=1/2)	9235	8895	1620	5330
LPAH/HPAH (U=1/2)	3.1	3.2	2.9	3.4
Naphthalene/Total PAH (U=1/2)	0.22	0.21	0.2	0.23
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	18000	22000	5900	13000
C10-C11	2100	2600	600	1700
C12-C13	1500	2000	510	1400
C14-C15	3400	4300	1100	2500
C16-C17	3700	4600	1300	2800
C18-C19	3100	3900	1100	2300
C20-C21	2100	2600	680	1500
C22-C23	720	930	300	540
C24-C25	620	820	210	410
C27-C28	390	520	140	240
C29-C30			37	55
C31-C32				
C33-C34				
C35-C36				
C37-C39				

Table A-1
Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC	SB-099 C3 SB099-53-53.9 10/6/99	SB-099 C3 SB099-69-69.5 10/6/99	SB-099 C3 SB099-74-74.2 10/6/99	SB-099 C3 SB099-84-84.3 10/6/99
Soil Description NAPL Description	sand nothing	clay nothing	sand odor	sand nothing
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	20 U	20 U	20 U	--
acenaphthene	20 U	20 U	20 U	--
acenaphthylene	20 U	20 U	20 U	--
anthracene	20 U	20 U	20 U	--
benzo(a)anthracene	20 U	20 U	20 U	--
benzo(a)pyrene	20 U	20 U	20 U	--
benzo(b)fluoranthene	20 U	20 U	20 U	--
benzo(g,h,i)perylene	20 U	20 U	20 U	--
benzo(k)fluoranthene	20 U	20 U	20 U	--
carbazole	20 UJ	20 UJ	20 UJ	--
chrysene	20 U	20 U	20 U	--
dibenzo(a,h)anthracene	20 U	20 U	20 U	--
dibenzofuran	20 U	20 U	20 U	--
fluoranthene	20 U	20 U	20 U	--
fluorene	20 U	20 U	20 U	--
indeno(1,2,3-cd)pyrene	20 U	20 U	20 U	--
naphthalene	20 U	20 U	20 U	--
pentachlorophenol	60 U	50 U	60 U	--
phenanthrene	20 U	20 U	20 U	--
pyrene	20 U	20 U	20 U	--
Total HPAH (U=1/2)	100	100	100	--
Total LPAH (U=1/2)	70	70	70	--
Total PAH (U=1/2)	170	170	170	--
LPAH/HPAH (U=1/2)	0.7	0.7	0.7	--
Naphthalene/Total PAH (U=1/2)	0.12	0.12	0.12	--
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	100 U	100 U	100 U	100 U
C10-C11	--	--	--	--
C12-C13	--	--	--	--
C14-C15	--	--	--	--
C16-C17	--	--	--	--
C18-C19	--	--	--	--
C20-C21	--	--	--	--
C22-C23	--	--	--	--
C24-C25	--	--	--	--
C27-C28	--	--	--	--
C29-C30	--	--	--	--
C31-C32	--	--	--	--
C33-C34	--	--	--	--
C35-C36	--	--	--	--
C37-C39	--	--	--	--

Table A-1
Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC	SB-099 C3 SB099-89.5-89.8 10/6/99	SB-099 C3 SB099-98-98.2 10/7/99	SB-099 C3 SB099-107.5-107.8 10/7/99	SB-099 C3 SB099-111-111.2 10/7/99
Soil Description NAPL Description	sand nothing	clay odor	clay odor	sand odor
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	20 U	20 U	20 U	20 U
acenaphthene	20 U	20 U	20 U	20 U
acenaphthylene	20 U	20 U	20 U	20 U
anthracene	20 U	20 U	20 U	20 U
benzo(a)anthracene	20 U	20 U	20 U	20 U
benzo(a)pyrene	20 U	20 U	20 U	20 U
benzo(b)fluoranthene	20 U	20 U	20 U	20 U
benzo(g,h,i)perylene	20 U	20 U	20 U	20 U
benzo(k)fluoranthene	20 U	20 U	20 U	20 U
carbazole	20 UJ	20 UJ	20 UJ	20 UJ
chrysene	20 U	20 U	20 U	20 U
dibenzo(a,h)anthracene	20 U	20 U	20 U	20 U
dibenzofuran	20 U	20 U	20 U	20 U
fluoranthene	20 U	20 U	20 U	20 U
fluorene	20 U	20 U	20 U	20 U
indeno(1,2,3-cd)pyrene	20 U	20 U	20 U	20 U
naphthalene	20 U	20 U	20 U	20 U
pentachlorophenol	60 U	60 U	60 U	60 U
phenanthrene	20 U	20 U	20 U	20 U
pyrene	20 U	20 U	20 U	20 U
Total HPAH (U=1/2)	100	100	100	100
Total LPAH (U=1/2)	70	70	70	70
Total PAH (U=1/2)	170	170	170	170
LPAH/HPAH (U=1/2)	0.7	0.7	0.7	0.7
Naphthalene/Total PAH (U=1/2)	0.12	0.12	0.12	0.12
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	--	100 U	100 U	100 U
C10-C11	--	--	--	--
C12-C13	--	--	--	--
C14-C15	--	--	--	--
C16-C17	--	--	--	--
C18-C19	--	--	--	--
C20-C21	--	--	--	--
C22-C23	--	--	--	--
C24-C25	--	--	--	--
C27-C28	--	--	--	--
C29-C30	--	--	--	--
C31-C32	--	--	--	--
C33-C34	--	--	--	--
C35-C36	--	--	--	--
C37-C39	--	--	--	--

Table A-1
Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-099 C3 SB099-127.3-127.5 10/7/99 Primary clay odor	SB-099 C3 SB599-127.3-127.5 10/7/99 Field Duplicate clay odor	SB-099 C3 SB099-139.2-139.4 10/7/99 clay sheen	SB-099 C3 SB099-141.1-141.3 10/7/99 sand odor
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	20 U	20 U	20	20 U
acenaphthene	20 U	20 U	20	20 U
acenaphthylene	20 U	20 U	20 U	20 U
anthracene	20 U	20 U	20 U	20 U
benzo(a)anthracene	20 U	20 U	20 U	20 U
benzo(a)pyrene	20 U	20 U	20 U	20 U
benzo(b)fluoranthene	20 U	20 U	20 U	20 U
benzo(g,h,i)perylene	20 U	20 U	20 U	20 U
benzo(k)fluoranthene	20 U	20 U	10 J	20 U
carbazole	20 UJ	20 UJ	20 UJ	20 UJ
chrysene	20 U	20 U	20 U	20 U
dibenzo(a,h)anthracene	20 U	20 U	20 U	20 U
dibenzofuran	20 U	20 U	10 J	20 U
fluoranthene	20 U	20 U	20	20 U
fluorene	20 U	20 U	10 J	20 U
indeno(1,2,3-cd)pyrene	20 U	20 U	20 U	20 U
naphthalene	20 U	20 U	20	20 U
pentachlorophenol	60 U	60 U	50 U	60 U
phenanthrene	20 U	20 U	40	20 U
pyrene	20 U	20 U	10 J	20 U
Total HPAH (U=1/2)	100	100	110	100
Total LPAH (U=1/2)	70	70	130	70
Total PAH (U=1/2)	170	170	240	170
LPAH/HPAH (U=1/2)	0.7	0.7	1.2	0.7
Naphthalene/Total PAH (U=1/2)	0.12	0.12	0.08	0.12
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	100 U	100 U	250	100 U
C10-C11	--	--	58	--
C12-C13	--	--	52	--
C14-C15	--	--	54	--
C16-C17	--	--	36	--
C18-C19	--	--	19	--
C20-C21	--	--	18	--
C22-C23	--	--	6	--
C24-C25	--	--		--
C27-C28	--	--		--
C29-C30	--	--		--
C31-C32	--	--		--
C33-C34	--	--		--
C35-C36	--	--		--
C37-C39	--	--		--

Table A-1
Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-099 C3 SB099-152.6-152.8 10/7/99 clay odor	SB-099 C3 SB099-153.8-153.9 10/7/99 clay odor	SB-099 C3 SB099-160.7-160.9 10/7/99 Primary sand sheen	SB-099 C3 SB599-160.7-160.9 10/7/99 Field Duplicate sand sheen
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	20	90	200	190
acenaphthene	10 J	50	110	120
acenaphthylene	20 U	20 U	20 U	20 U
anthracene	20 U	20	40	50
benzo(a)anthracene	20 U	10 J	20	30
benzo(a)pyrene	20 U	20 U	10 J	10 J
benzo(b)fluoranthene	20 U	20 U	10 J	10 J
benzo(g,h,i)perylene	20 U	20 U	20 U	20 U
benzo(k)fluoranthene	20 U	20 U	10 J	10 J
carbazole	20 UJ	20 UJ	10 J	10 J
chrysene	20 U	10 J	20	30
dibenzo(a,h)anthracene	20 U	20 U	20 U	20 U
dibenzofuran	20 U	30	70	80
fluoranthene	10 J	60	100	110
fluorene	20 U	40	80	90
indeno(1,2,3-cd)pyrene	20 U	20 U	20 U	20 U
naphthalene	40	170	380	310
pentachlorophenol	60 U	60 U	60 U	50 U
phenanthrene	30	110	190	220
pyrene	10 J	50	80	90
Total HPAH (U=1/2)	100	190	280	320
Total LPAH (U=1/2)	130	490	1010	990
Total PAH (U=1/2)	230	680	1290	1310
LPAH/HPAH (U=1/2)	1.3	2.6	3.6	3.1
Naphthalene/Total PAH (U=1/2)	0.17	0.25	0.29	0.24
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	70 J	410	1200	2200
C10-C11	22	120	320	560
C12-C13	10	69	210	370
C14-C15	16	75	210	370
C16-C17	7	60	160	290
C18-C19		35	110	200
C20-C21	7	34	88	160
C22-C23		17	47	77
C24-C25			13	44
C27-C28			22	50
C29-C30			6	19
C31-C32				
C33-C34				
C35-C36				
C37-C39				

Table A-1
Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC	SB-099 C3 SB099-161.8-162 10/7/99	SB-099 C3 SB099-170-170.2 10/7/99	SB-099 C3 SB099-184-184.2 10/7/99	SB-099 C3 SB099-195.1-195.3 10/8/99
Soil Description NAPL Description	sand sheen	sand odor	sand nothing	clay odor
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	160	20 U	20 U	20 U
acenaphthene	100	20 U	20 U	20 U
acenaphthylene	20 U	20 U	20 U	20 U
anthracene	40	20 U	20 U	20 U
benzo(a)anthracene	20	20 U	20 U	20 U
benzo(a)pyrene	10 J	20 U	20 U	20 U
benzo(b)fluoranthene	20 U	20 U	20 U	20 U
benzo(g,h,i)perylene	20 U	20 U	20 U	20 U
benzo(k)fluoranthene	20 U	20 U	20 U	20 U
carbazole	10 J	20 UJ	20 UJ	20 UJ
chrysene	20	20 U	20 U	20 U
dibenzo(a,h)anthracene	20 U	20 U	20 U	20 U
dibenzofuran	60	20 U	20 U	20 U
fluoranthene	100	20 U	20 U	20 U
fluorene	80	20 U	20 U	20 U
indeno(1,2,3-cd)pyrene	20 U	20 U	20 U	20 U
naphthalene	210	20 U	20 U	20 U
pentachlorophenol	60 U	60 U	60 U	60 U
phenanthrene	190	20 U	20 U	20 U
pyrene	80	20 U	20 U	20 U
Total HPAH (U=1/2)	280	100	100	100
Total LPAH (U=1/2)	790	70	70	70
Total PAH (U=1/2)	1070	170	170	170
LPAH/HPAH (U=1/2)	2.8	0.7	0.7	0.7
Naphthalene/Total PAH (U=1/2)	0.2	0.12	0.12	0.12
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	2100	100 U	100 U	100 U
C10-C11	530	--	--	--
C12-C13	360	--	--	--
C14-C15	370	--	--	--
C16-C17	280	--	--	--
C18-C19	190	--	--	--
C20-C21	170	--	--	--
C22-C23	85	--	--	--
C24-C25	34	--	--	--
C27-C28	50	--	--	--
C29-C30	19	--	--	--
C31-C32		--	--	--
C33-C34		--	--	--
C35-C36		--	--	--
C37-C39		--	--	--

Table A-1
Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC	SB-099 C3 SB099-204.5-204.7 10/8/99	SB-099 C3 SB099-208-208.2 10/8/99	SB-099 C3 SB099-212.4-212.6 10/8/99	SB-099 C3 SB099-221.2-221.4 10/8/99
Soil Description NAPL Description	clay odor	clay odor	clay sheen	silt odor
LIF (counts/wavelength)				
Exsitu maximum intensity	--	--	--	--
Exsitu peak wavelength	--	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	20 U	20 U	80	20 U
acenaphthene	20 U	20 U	60	20 U
acenaphthylene	20 U	20 U	20 U	20 U
anthracene	20 U	20 U	20	20 U
benzo(a)anthracene	20 U	20 U	10 J	20 U
benzo(a)pyrene	20 U	20 U	20 U	20 U
benzo(b)fluoranthene	20 U	20 U	20 U	20 U
benzo(g,h,i)perylene	20 U	20 U	20 U	20 U
benzo(k)fluoranthene	20 U	20 U	20 U	20 U
carbazole	20 UJ	20 UJ	20 UJ	20 UJ
chrysene	20 U	20 U	10 J	20 U
dibenzo(a,h)anthracene	20 U	20 U	20 U	20 U
dibenzofuran	20 U	20 U	30	20 U
fluoranthene	20 U	20 U	60	20 U
fluorene	20 U	20 U	40	20 U
indeno(1,2,3-cd)pyrene	20 U	20 U	20 U	20 U
naphthalene	20 U	20 U	110	20 U
pentachlorophenol	60 U	60 U	60 U	60 U
phenanthrene	20 U	20 U	110	20 U
pyrene	20 U	20 U	40	20 U
Total HPAH (U=1/2)	100	100	180	100
Total LPAH (U=1/2)	70	70	430	70
Total PAH (U=1/2)	170	170	610	170
LPAH/HPAH (U=1/2)	0.7	0.7	2.4	0.7
Naphthalene/Total PAH (U=1/2)	0.12	0.12	0.18	0.12
TPH (mg/kg)				
TRPH	--	--	--	--
total hydrocarbons, C10-C39	100 U	100 U	1500	100 U
C10-C11	--	--	330	--
C12-C13	--	--	270	--
C14-C15	--	--	290	--
C16-C17	--	--	210	--
C18-C19	--	--	140	--
C20-C21	--	--	110	--
C22-C23	--	--	55	--
C24-C25	--	--	25	--
C27-C28	--	--	30	--
C29-C30	--	--	13	--
C31-C32	--	--	--	--
C33-C34	--	--	--	--
C35-C36	--	--	--	--
C37-C39	--	--	--	--

Table A-1
Rotosonic Boring Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-099 C3 SB099-234.5-234.7 10/8/99 sand odor	SB-099 C3 SB099-249-249.2 10/8/99 sand odor
LIF (counts/wavelength)		
Exsitu maximum intensity	--	--
Exsitu peak wavelength	--	--
PAHs (mg/kg)		
2-methylnaphthalene	20 U	20 U
acenaphthene	20 U	20 U
acenaphthylene	20 U	20 U
anthracene	20 U	20 U
benzo(a)anthracene	20 U	20 U
benzo(a)pyrene	20 U	20 U
benzo(b)fluoranthene	20 U	20 U
benzo(g,h,i)perylene	20 U	20 U
benzo(k)fluoranthene	20 U	20 U
carbazole	20 UJ	20 UJ
chrysene	20 U	20 U
dibenzo(a,h)anthracene	20 U	20 U
dibenzofuran	20 U	20 U
fluoranthene	20 U	20 U
fluorene	20 U	20 U
indeno(1,2,3-cd)pyrene	20 U	20 U
naphthalene	20 U	20 U
pentachlorophenol	60 U	50 U
phenanthrene	20 U	20 U
pyrene	20 U	20 U
Total HPAH (U=1/2)	100	100
Total LPAH (U=1/2)	70	70
Total PAH (U=1/2)	170	170
LPAH/HPAH (U=1/2)	0.7	0.7
Naphthalene/Total PAH (U=1/2)	0.12	0.12
TPH (mg/kg)		
TRPH	--	--
total hydrocarbons, C10-C39	100 U	100 U
C10-C11	--	--
C12-C13	--	--
C14-C15	--	--
C16-C17	--	--
C18-C19	--	--
C20-C21	--	--
C22-C23	--	--
C24-C25	--	--
C27-C28	--	--
C29-C30	--	--
C31-C32	--	--
C33-C34	--	--
C35-C36	--	--
C37-C39	--	--

Table A-2
SCAPS Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC	SE-002 C1 SS002-14.3-15.1 7/15/99	SE-002 C1 SS002-15.1-16.0 7/15/99	SE-002 C1 SS002-24.5-25.6 7/15/99	SE-002 C1 SS002-25.6-26.5 7/15/99
Soil Description NAPL Description	silty/clay nothing	silty/clay nothing	clay visible	sand visible
LIF (counts/wavelength)				
Exsitu maximum intensity	192	184	619	810
Exsitu peak wavelength	446	443	466	469
Insitu maximum intensity	424	178	1880	1880
Insitu peak wavelength	471	476	470	470
PAHs (mg/kg)				
2-methylnaphthalene	180	70	500	900 U
acenaphthene	160	40	170	400
acenaphthylene	20 U	20 U	20 U	20 U
anthracene	90	20	70	130
benzo(a)anthracene	30	20 U	20	30
benzo(a)pyrene	20 U	20 U	20 U	20 U
benzo(b)fluoranthene	20	20 U	20 U	10 J
benzo(g,h,i)perylene	20 U	20 U	20 U	20 U
benzo(k)fluoranthene	20 U	20 U	20 U	20 U
carbazole	110	20 J	50	100
chrysene	30	20 U	20	40
dibenzo(a,h)anthracene	20 U	20 U	30 U	20 U
dibenzofuran	100	30	100	180
fluoranthene	140	40	90	180
fluorene	100	30	110	200
indeno(1,2,3-cd)pyrene	20 U	20 U	20 U	20 U
naphthalene	1400	280	1400	2800
pentachlorophenol	180	20 U	30	70
phenanthrene	250	90	300	600
pyrene	110	30	70	140
Total HPAH (U=1/2)	380	150	265	450
Total LPAH (U=1/2)	2190	540	2560	4590
Total PAH (U=1/2)	2570	690	2825	5040
LPAH/HPAH (U=1/2)	5.8	3.6	9.7	10
Naphthalene/Total PAH (U=1/2)	0.54	0.41	0.5	0.56
TPH (mg/kg)				
TRPH	1011	341	755	2484
total hydrocarbons, C10-C39	2200	1000	2300	7900
C10-C11	450	260	640	2300
C12-C13	250	110	410	1300
C14-C15	470	190	570	1700
C16-C17	360	150	290	1000
C18-C19	320	120	160	810
C20-C21	170	93	140	420
C22-C23	120	40	52	240
C24-C25	46	26	34	100
C27-C28	19	5	9	
C29-C30	8			
C31-C32				
C33-C34				
C35-C36				
C37-C39				

Notes:

--: Not analyzed.

blank: analyte not detected at unknown detection limit.

Table A-2
SCAPS Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-002 C1 SS002-84-86 7/15/99 Primary sand visible	SE-002 C1 SS502-84-86 7/15/99 Field Duplicate sand visible	SE-005 C2 SS005-29.5-30.5 7/15/99 sand mobile	SE-005 C2 SS005-30.5-31.6 7/15/99 clay visible
LIF (counts/wavelength)				
Exsitu maximum intensity	144	144	766	483
Exsitu peak wavelength	444	444	480	470
Insitu maximum intensity	33	33	794	603
Insitu peak wavelength	426	426	496	492
PAHs (mg/kg)				
2-methylnaphthalene	20 U	20 U	500	400
acenaphthene	20 U	20 U	400	200
acenaphthylene	20 U	20 U	20 U	20 U
anthracene	20 U	20 U	150	110
benzo(a)anthracene	20 U	20 U	110	70
benzo(a)pyrene	20 U	20 U	50	30
benzo(b)fluoranthene	20 U	20 U	70	40
benzo(g,h,i)perylene	20 U	20 U	20	20 U
benzo(k)fluoranthene	20 U	20 U	20	10 J
carbazole	20 U	20 U	200	170
chrysene	20 U	20 U	110	70
dibenzo(a,h)anthracene	20 U	20 U	20 U	20 U
dibenzofuran	20 U	20 U	300	170
fluoranthene	20 U	20 U	600	400
fluorene	20 U	20 U	300	170
indeno(1,2,3-cd)pyrene	20 U	20 U	20	20 U
naphthalene	20 U	20 U	1200	1200
pentachlorophenol	20 U	20 U	200	50
phenanthrene	20 U	20 U	1100	800
pyrene	20 U	20 U	400	300
Total HPAH (U=1/2)	100	100	1410	950
Total LPAH (U=1/2)	70	70	3660	2890
Total PAH (U=1/2)	170	170	5070	3840
LPAH/HPAH (U=1/2)	0.7	0.7	2.6	3
Naphthalene/Total PAH (U=1/2)	0.12	0.12	0.24	0.31
TPH (mg/kg)				
TRPH	6 J	8 J	1504	242
total hydrocarbons, C10-C39	100 U	100 U	12000 J	4000
C10-C11	--	--	2700 J	850
C12-C13	--	--	1200 J	470
C14-C15	--	--	2100 J	770
C16-C17	--	--	1900 J	650
C18-C19	--	--	950 J	490
C20-C21	--	--	1600 J	340
C22-C23	--	--	430 J	220
C24-C25	--	--	620 J	100
C27-C28	--	--	160 J	51
C29-C30	--	--	130 J	42
C31-C32	--	--	30 J	9
C33-C34	--	--	40 J	12
C35-C36	--	--		
C37-C39	--	--		

Notes:

--: Not analyzed.

blank: analyte not detected at unknown detection limit.

Table A-2
SCAPS Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-005 C2 SS005-43-45 7/15/99 sand odor	SE-005 C2 SS005-67-69 7/15/99 clay/sand mobile	SE-005 C2 SS005-86-87.5 7/15/99 sand odor	SE-008 C2 EP01-0-0.1 9/30/99 crystals in soil
LIF (counts/wavelength)				
Exsitu maximum intensity	103	418	140	--
Exsitu peak wavelength	445	476	444	--
Insitu maximum intensity	131	1430	70	--
Insitu peak wavelength	497	484	496	--
PAHs (mg/kg)				
2-methylnaphthalene	20 U	80	20 U	50000 U
acenaphthene	20 U	50	20 U	50000 U
acenaphthylene	20 U	20 U	20 U	50000 U
anthracene	20 U	20	20 U	50000 U
benzo(a)anthracene	20 U	10 J	20 U	50000 U
benzo(a)pyrene	20 U	20 U	20 U	50000 U
benzo(b)fluoranthene	20 U	20 U	20 U	50000 U
benzo(g,h,i)perylene	20 U	20 U	20 U	50000 U
benzo(k)fluoranthene	20 U	20 U	20 U	50000 U
carbazole	20 U	30	20 U	50000 U
chrysene	20 U	10 J	20 U	50000 U
dibenzo(a,h)anthracene	20 U	20 U	20 U	50000 U
dibenzofuran	20 U	30	20 U	50000 U
fluoranthene	20 U	60	20 U	50000 U
fluorene	20 U	40	20 U	50000 U
indeno(1,2,3-cd)pyrene	20 U	20 U	20 U	50000 U
naphthalene	20 U	150	20 U	50000 U
pentachlorophenol	20 U	20 U	20 U	1000000
phenanthrene	20 U	100	20 U	50000 U
pyrene	20 U	40	20 U	50000 U
Total HPAH (U=1/2)	100	180	100	250000
Total LPAH (U=1/2)	70	450	70	175000
Total PAH (U=1/2)	170	630	170	425000
LPAH/HPAH (U=1/2)	0.7	2.5	0.7	0.7
Naphthalene/Total PAH (U=1/2)	0.12	0.24	0.12	0.12
TPH (mg/kg)				
TRPH	6 J	113	36	--
total hydrocarbons, C10-C39	100 U	1200	100 U	22000
C10-C11	--	360	--	
C12-C13	--	190	--	
C14-C15	--	220	--	680
C16-C17	--	160	--	10000
C18-C19	--	120	--	800
C20-C21	--	89	--	1100
C22-C23	--	58	--	1200
C24-C25	--	28	--	170
C27-C28	--	14	--	1700
C29-C30	--	13	--	3300
C31-C32	--		--	1600
C33-C34	--		--	530
C35-C36	--		--	230
C37-C39	--		--	120

Notes:

--: Not analyzed.

blank: analyte not detected at unknown detection limit.

Table A-2
SCAPS Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-008 C2 SS008-10.5-11.7 8/8/99 Primary clay odor	SE-008 C2 SS508-10.5-11.7 8/8/99 Field Duplicate clay odor	SE-008 C2 SS008-19-21 8/8/99 clay nothing	SE-008 C2 SS008-40-41.5 8/8/99 sand visible
LIF (counts/wavelength)				
Exsitu maximum intensity	105	--	86	300
Exsitu peak wavelength	454	--	443	455
Insitu maximum intensity	477	--	63	1601
Insitu peak wavelength	399	--	498	469
PAHs (mg/kg)				
2-methylnaphthalene	20 U	20 U	20 U	20 U
acenaphthene	20 U	20 U	20 U	20 U
acenaphthylene	20 U	20 U	20 U	20 U
anthracene	20 U	20 U	20 U	20 U
benzo(a)anthracene	20 U	20 U	20 U	20 U
benzo(a)pyrene	20 U	20 U	20 U	20 U
benzo(b)fluoranthene	20 U	20 U	20 U	20 U
benzo(g,h,i)perylene	20 U	20 U	20 U	20 U
benzo(k)fluoranthene	20 U	20 U	20 U	20 U
carbazole	20 U	20 U	20 U	20 U
chrysene	20 U	20 U	20 U	20 U
dibenzo(a,h)anthracene	20 U	20 U	20 U	20 U
dibenzofuran	20 U	20 U	20 U	20 U
fluoranthene	20 U	20 U	20 U	20 U
fluorene	20 U	20 U	20 U	20 U
indeno(1,2,3-cd)pyrene	20 U	20 U	20 U	20 U
naphthalene	20 J	20 J	20 U	20 U
pentachlorophenol	60 J	30 J	60 U	60 U
phenanthrene	20 U	20 U	20 U	20 U
pyrene	20 U	20 U	20 U	20 U
Total HPAH (U=1/2)	100	100	100	100
Total LPAH (U=1/2)	80	80	70	70
Total PAH (U=1/2)	180	180	170	170
LPAH/HPAH (U=1/2)	0.8	0.8	0.7	0.7
Naphthalene/Total PAH (U=1/2)	0.11	0.11	0.12	0.12
TPH (mg/kg)				
TRPH	15 U	--	15 U	28
total hydrocarbons, C10-C39	100 UJ	--	100 UJ	120 J
C10-C11	--	--	--	30
C12-C13	--	--	--	30
C14-C15	--	--	--	30
C16-C17	--	--	--	20
C18-C19	--	--	--	9
C20-C21	--	--	--	6
C22-C23	--	--	--	
C24-C25	--	--	--	
C27-C28	--	--	--	
C29-C30	--	--	--	
C31-C32	--	--	--	
C33-C34	--	--	--	
C35-C36	--	--	--	
C37-C39	--	--	--	

Notes:

--: Not analyzed.

blank: analyte not detected at unknown detection limit.

Table A-2
SCAPS Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-008 C2 SS008-42-44 8/8/99 sand mobile	SE-008 C2 SS008-45-45.9 8/8/99 sand nothing	SE-008 C2 SS008-48-50 8/8/99 sand mobile	SE-009 C2 SS009-21-23 8/10/99 silty/sand nothing
LIF (counts/wavelength)				
Exsitu maximum intensity	2933	97	2349	94
Exsitu peak wavelength	468	442	469	443
Insitu maximum intensity	927	2107	37	183
Insitu peak wavelength	468	404	405	498
PAHs (mg/kg)				
2-methylnaphthalene	460	20 U	220	20 U
acenaphthene	200	20 U	120	20 U
acenaphthylene	30 U	20 U	20 U	20 U
anthracene	80	20 U	40	20 U
benzo(a)anthracene	20 J	20 U	20 U	20 U
benzo(a)pyrene	30 U	20 U	20 U	20 U
benzo(b)fluoranthene	30 U	20 U	20 U	20 U
benzo(g,h,i)perylene	30 U	20 U	20 U	20 U
benzo(k)fluoranthene	30 U	20 U	20 U	20 U
carbazole	30	20 U	20	20 U
chrysene	20 J	20 U	20 U	20 U
dibenzo(a,h)anthracene	30 U	20 U	20 U	20 U
dibenzofuran	130	20 U	80	20 U
fluoranthene	110	20 U	60	20 U
fluorene	140	20 U	80	20 U
indeno(1,2,3-cd)pyrene	30 U	20 U	20 U	20 U
naphthalene	790	10 J	360	20 U
pentachlorophenol	60 U	60 U	60 U	60 U
phenanthrene	280	20 U	160	20 U
pyrene	90	20 U	40	20 U
Total HPAH (U=1/2)	330	100	180	100
Total LPAH (U=1/2)	1965	70	990	70
Total PAH (U=1/2)	2295	170	1170	170
LPAH/HPAH (U=1/2)	6	0.7	5.5	0.7
Naphthalene/Total PAH (U=1/2)	0.34	0.06	0.31	0.12
TPH (mg/kg)				
TRPH	2591	8 J	1340	15 U
total hydrocarbons, C10-C39	5300 J	100 UJ	3800 J	100 U
C10-C11	1400	--	1100	--
C12-C13	1200	--	970	--
C14-C15	1000	--	750	--
C16-C17	700	--	460	--
C18-C19	440	--	270	--
C20-C21	270	--	160	--
C22-C23	120	--	68	--
C24-C25	50	--	20	--
C27-C28		--	10	--
C29-C30		--		--
C31-C32		--		--
C33-C34		--		--
C35-C36		--		--
C37-C39		--		--

Notes:

--: Not analyzed.

blank: analyte not detected at unknown detection limit.

Table A-2
SCAPS Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-009 C2 SS009-55-57 8/10/99 sand odor	SE-009 C2 SS009-69-70 8/10/99 sand odor	SE-010 C2 SS010-59-59.8 9/6/99 sand and gravel sheen	SE-010 C2 SS010-61-61.5 9/6/99 sandy/clay visible
LIF (counts/wavelength)				
Exsitu maximum intensity	116	141	117	562
Exsitu peak wavelength	443	442	442	475
Insitu maximum intensity	121	127	1997	578
Insitu peak wavelength	497	401	477	473
PAHs (mg/kg)				
2-methylnaphthalene	20 U	30 U	20 U	200
acenaphthene	20 U	30 U	20 U	110
acenaphthylene	20 U	30 U	20 U	20 U
anthracene	20 U	30 U	20 U	40
benzo(a)anthracene	20 U	30 U	20 U	20
benzo(a)pyrene	20 U	30 U	20 U	10 J
benzo(b)fluoranthene	20 U	30 U	20 U	20
benzo(g,h,i)perylene	20 U	30 U	20 U	20 U
benzo(k)fluoranthene	20 U	30 U	20 U	20 U
carbazole	20 U	30 U	20 UJ	20 J
chrysene	20 U	30 U	20 U	30
dibenzo(a,h)anthracene	20 U	30 U	20 U	20 U
dibenzofuran	20 U	30 U	20 U	70
fluoranthene	20 U	30 U	20 U	100
fluorene	20 U	30 U	20 U	70
indeno(1,2,3-cd)pyrene	20 U	30 U	20 U	20 U
naphthalene	20 U	30 U	20 U	250
pentachlorophenol	60 U	70 U	60 U	60 U
phenanthrene	20 U	30 U	20 U	180
pyrene	20 U	30 U	20 U	80
Total HPAH (U=1/2)	100	150	100	300
Total LPAH (U=1/2)	70	105	70	860
Total PAH (U=1/2)	170	255	170	1160
LPAH/HPAH (U=1/2)	0.7	0.7	0.7	2.9
Naphthalene/Total PAH (U=1/2)	0.12	0.12	0.12	0.22
TPH (mg/kg)				
TRPH	15 U	15 U	3 J	181
total hydrocarbons, C10-C39	100 U	100 U	100 U	1500
C10-C11	--	--	--	550
C12-C13	--	--	--	320
C14-C15	--	--	--	210
C16-C17	--	--	--	140
C18-C19	--	--	--	94
C20-C21	--	--	--	80
C22-C23	--	--	--	39
C24-C25	--	--	--	19
C27-C28	--	--	--	20
C29-C30	--	--	--	11
C31-C32	--	--	--	
C33-C34	--	--	--	
C35-C36	--	--	--	
C37-C39	--	--	--	

Notes:

--: Not analyzed.

blank: analyte not detected at unknown detection limit.

Table A-2
SCAPS Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-010 C2 SS010-61.5-63 9/6/99 silt visible	SE-020 C2 SS020-29-31 8/8/99 Primary sandy/clay sheen	SE-020 C2 SS520-29-31 8/8/99 Field Duplicate sandy/clay sheen	SE-020 C2 SS020-47-49 8/8/99 silty/sand mobile
LIF (counts/wavelength)				
Exsitu maximum intensity	637	541	541	1083
Exsitu peak wavelength	487	454	454	476
Insitu maximum intensity	554	362	362	916
Insitu peak wavelength	495	461	461	469
PAHs (mg/kg)				
2-methylnaphthalene	260	370	180	270
acenaphthene	120	140	80	180
acenaphthylene	20 U	20 U	20 U	20 U
anthracene	40	60	40	80
benzo(a)anthracene	30	10 J	20 U	20
benzo(a)pyrene	10 J	20 U	20 U	20 U
benzo(b)fluoranthene	20	20 U	20 U	20 U
benzo(g,h,i)perylene	20 U	20 U	20 U	20 U
benzo(k)fluoranthene	20 U	20 U	20 U	20 U
carbazole	20 J	20	20 U	30
chrysene	30	10 J	20 U	20
dibenzo(a,h)anthracene	20 U	20 U	20 U	20 U
dibenzofuran	70	100	50	100
fluoranthene	100	80	50	100
fluorene	80	100	60	120
indeno(1,2,3-cd)pyrene	20 U	20 U	20 U	20 U
naphthalene	380	620	320	850
pentachlorophenol	60 U	60 U	60 U	60
phenanthrene	180	200	130	260
pyrene	80	60	40	80
Total HPAH (U=1/2)	310	220	170	280
Total LPAH (U=1/2)	1070	1500	820	1770
Total PAH (U=1/2)	1380	1720	990	2050
LPAH/HPAH (U=1/2)	3.5	6.8	4.8	6.3
Naphthalene/Total PAH (U=1/2)	0.28	0.36	0.32	0.41
TPH (mg/kg)				
TRPH	162	274	283	717
total hydrocarbons, C10-C39	1200	1100	2600	4800
C10-C11	440	280	660	1400
C12-C13	270	290	660	970
C14-C15	180	250	550	840
C16-C17	120	150	340	690
C18-C19	85	85	190	430
C20-C21	73	51	120	280
C22-C23	36	20	60	130
C24-C25	17	7	20	40
C27-C28	19		10	20
C29-C30	11			6
C31-C32				
C33-C34				
C35-C36				
C37-C39				

Notes:

--: Not analyzed.

blank: analyte not detected at unknown detection limit.

Table A-2
SCAPS Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-020 C2 SS020-51-51.8 8/8/99 sand visible	SE-020 C2 SS020-56-58 8/8/99 Primary sand mobile	SE-020 C2 SS520-56-58 8/8/99 Field Duplicate sand mobile	SE-020 C2 SS020-60-62 8/8/99 sand mobile
LIF (counts/wavelength)				
Exsitu maximum intensity	113	1396	1396	1994
Exsitu peak wavelength	441	471	471	471
Insitu maximum intensity	1627	3067	3067	3316
Insitu peak wavelength	470	472	472	469
PAHs (mg/kg)				
2-methylnaphthalene	20 U	540	600	380
acenaphthene	20 U	240	270	190
acenaphthylene	20 U	20 U	20 U	30 U
anthracene	20 U	100	110	90
benzo(a)anthracene	20 U	20	30	20 J
benzo(a)pyrene	20 U	20 U	20 U	30 U
benzo(b)fluoranthene	20 U	20 U	20 U	30 U
benzo(g,h,i)perylene	20 U	20 U	20 U	30 U
benzo(k)fluoranthene	20 U	20 U	20 U	30 U
carbazole	20 U	40	40	30
chrysene	20 U	30	30	20 J
dibenzo(a,h)anthracene	20 U	20 U	20 U	30 U
dibenzofuran	20 U	140	160	110
fluoranthene	20 U	130	140	110
fluorene	20 U	160	180	140
indeno(1,2,3-cd)pyrene	20 U	20 U	20 U	30 U
naphthalene	20 U	1000	1300	610
pentachlorophenol	60 U	60	60	70 U
phenanthrene	20 U	380	400	290
pyrene	20 U	110	120	100
Total HPAH (U=1/2)	100	350	380	340
Total LPAH (U=1/2)	70	2430	2870	1715
Total PAH (U=1/2)	170	2780	3250	2055
LPAH/HPAH (U=1/2)	0.7	6.9	7.6	5
Naphthalene/Total PAH (U=1/2)	0.12	0.36	0.4	0.3
TPH (mg/kg)				
TRPH	15	1456	1458	2899
total hydrocarbons, C10-C39	70 J	6200	6000	5500
C10-C11	--	1800	1700	1600
C12-C13	--	1100	1000	920
C14-C15	--	1300	1300	1200
C16-C17	--	1200	1200	1100
C18-C19	--	410	420	350
C20-C21	--	420	420	370
C22-C23	--	67	65	59
C24-C25	--			
C27-C28	--			
C29-C30	--			
C31-C32	--			
C33-C34	--			
C35-C36	--			
C37-C39	--			

Notes:

--: Not analyzed.

blank: analyte not detected at unknown detection limit.

Table A-2
SCAPS Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC	SE-035 C1 SS035-50-52 9/9/99	SE-037 D2 SS037-31-32.6 8/9/99	SE-037 D2 SS037-56-57 8/9/99	SE-037 D2 SS037-93-95 8/9/99
Soil Description NAPL Description	clay nothing	sand odor	sand mobile	silt nothing
LIF (counts/wavelength)				
Exsitu maximum intensity	75	103	1319	116
Exsitu peak wavelength	454	444	486	442
Insitu maximum intensity	472	640	2054	292
Insitu peak wavelength	471	446	487	443
PAHs (mg/kg)				
2-methylnaphthalene	20 U	20 U	1000	20 U
acenaphthene	20 U	20 U	800	20 U
acenaphthylene	20 U	20 U	100 U	20 U
anthracene	20 U	20 U	400	20 U
benzo(a)anthracene	20 U	20 U	200	20 U
benzo(a)pyrene	20 U	20 U	100 J	20 U
benzo(b)fluoranthene	20 U	20 U	100 J	20 U
benzo(g,h,i)perylene	20 U	20 U	100 U	20 U
benzo(k)fluoranthene	20 U	20 U	100 J	20 U
carbazole	20 U	20 U	200	20 U
chrysene	20 U	20 U	200	20 U
dibenzo(a,h)anthracene	20 U	20 U	100 U	20 U
dibenzofuran	20 U	20 U	500	20 U
fluoranthene	20 U	20 U	900	20 U
fluorene	20 U	20 U	600	20 U
indeno(1,2,3-cd)pyrene	20 U	20 U	100 U	20 U
naphthalene	20 U	20 U	4000	20 U
pentachlorophenol	60 UJ	60 U	300 U	60 U
phenanthrene	20 U	20 U	2000	20 U
pyrene	20 U	20 U	700	20 U
Total HPAH (U=1/2)	100	100	2450	100
Total LPAH (U=1/2)	70	70	8850	70
Total PAH (U=1/2)	170	170	11300	170
LPAH/HPAH (U=1/2)	0.7	0.7	3.6	0.7
Naphthalene/Total PAH (U=1/2)	0.12	0.12	0.35	0.12
TPH (mg/kg)				
TRPH	4 J	15 U	6836	15 U
total hydrocarbons, C10-C39	100 U	100 U	27000	100 U
C10-C11	--	--	7500	--
C12-C13	--	--	2800	--
C14-C15	--	--	4300	--
C16-C17	--	--	5900	--
C18-C19	--	--	1800	--
C20-C21	--	--	3700	--
C22-C23	--	--	1200	--
C24-C25	--	--	50	--
C27-C28	--	--	70	--
C29-C30	--	--		--
C31-C32	--	--		--
C33-C34	--	--		--
C35-C36	--	--		--
C37-C39	--	--		--

Notes:

--: Not analyzed.

blank: analyte not detected at unknown detection limit.

Table A-2
SCAPS Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-039 B1 SS039-10-12 8/9/99 clay nothing	SE-039 B1 SS039-19-20.6 8/9/99 sand mobile	SE-039 B1 SS039-22-22.4 8/9/99 sand mobile	SE-039 B1 SS039-40-42 8/9/99 silty/clay odor
LIF (counts/wavelength)				
Exsitu maximum intensity	102	449	477	101
Exsitu peak wavelength	444	454	545	443
Insitu maximum intensity	592	1251	460	194
Insitu peak wavelength	471	470	468	436
PAHs (mg/kg)				
2-methylnaphthalene	20 U	50	40	20 U
acenaphthene	20 U	70	60	20 U
acenaphthylene	20 U	20 U	20 U	20 U
anthracene	20 U	30	20	20 U
benzo(a)anthracene	20 U	20 U	20 U	20 U
benzo(a)pyrene	20 U	20 U	20 U	20 U
benzo(b)fluoranthene	20 U	20 U	20 U	20 U
benzo(g,h,i)perylene	20 U	20 U	20 U	20 U
benzo(k)fluoranthene	20 U	20 U	20 U	20 U
carbazole	20 U	20 U	20 U	20 U
chrysene	20 U	20 U	20 U	20 U
dibenzo(a,h)anthracene	20 U	20 U	20 U	20 U
dibenzofuran	20 U	40	30	20 U
fluoranthene	20 U	50	30	20 U
fluorene	20 U	50	40	20 U
indeno(1,2,3-cd)pyrene	20 U	20 U	20 U	20 U
naphthalene	20 U	80	50	20 U
pentachlorophenol	20 U	60 U	60 U	60 U
phenanthrene	20 U	120	90	20 U
pyrene	20 U	40	30	20 U
Total HPAH (U=1/2)	100	170	140	100
Total LPAH (U=1/2)	70	410	310	70
Total PAH (U=1/2)	170	580	450	170
LPAH/HPAH (U=1/2)	0.7	2.4	2.2	0.7
Naphthalene/Total PAH (U=1/2)	0.12	0.14	0.11	0.12
TPH (mg/kg)				
TRPH	15 U	804	543	15 U
total hydrocarbons, C10-C39	100 U	940	920	100 U
C10-C11	--	200	190	--
C12-C13	--	97	120	--
C14-C15	--	190	210	--
C16-C17	--	240	220	--
C18-C19	--	98	83	--
C20-C21	--	110	94	--
C22-C23	--	20	7	--
C24-C25	--			--
C27-C28	--			--
C29-C30	--			--
C31-C32	--			--
C33-C34	--			--
C35-C36	--			--
C37-C39	--			--

Notes:

--: Not analyzed.

blank: analyte not detected at unknown detection limit.

Table A-2
SCAPS Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-043 D2 SS043-7-8.6 8/9/99 clay nothing	SE-043 D2 SS043-13-15 8/9/99 silty/sand odor (fuel)	SE-043 D2 SS043-23-25 8/9/99 Primary silty/sand odor (fuel)	SE-043 D2 SS543-23-25 8/9/99 Field Duplicate silty/sand odor (fuel)
LIF (counts/wavelength)				
Exsitu maximum intensity	134	1801	592	592
Exsitu peak wavelength	453	454	454	454
Insitu maximum intensity	1009	5669	7094	7094
Insitu peak wavelength	477	455	454	454
PAHs (mg/kg)				
2-methylnaphthalene	20 U	20 U	20 U	20 U
acenaphthene	20 U	20 U	20 U	20 U
acenaphthylene	20 U	20 U	20 U	20 U
anthracene	20 U	20 U	20 U	20 U
benzo(a)anthracene	20 U	20 U	20 U	20 U
benzo(a)pyrene	20 U	20 U	20 U	20 U
benzo(b)fluoranthene	20 U	20 U	20 U	20 U
benzo(g,h,i)perylene	20 U	20 U	20 U	20 U
benzo(k)fluoranthene	20 U	20 U	20 U	20 U
carbazole	20 U	20 U	20 U	20 U
chrysene	20 U	20 U	20 U	20 U
dibenzo(a,h)anthracene	20 U	20 U	20 U	20 U
dibenzofuran	20 U	20 U	20 U	20 U
fluoranthene	20 U	20 U	20 U	20 U
fluorene	20 U	20 U	20 U	20 U
indeno(1,2,3-cd)pyrene	20 U	20 U	20 U	20 U
naphthalene	20 U	20 U	20 U	20 U
pentachlorophenol	60 U	60 U	60 U	60 U
phenanthrene	20 U	20 U	20 U	20 U
pyrene	20 U	20 U	20 U	20 U
Total HPAH (U=1/2)	100	100	100	100
Total LPAH (U=1/2)	70	70	70	70
Total PAH (U=1/2)	170	170	170	170
LPAH/HPAH (U=1/2)	0.7	0.7	0.7	0.7
Naphthalene/Total PAH (U=1/2)	0.12	0.12	0.12	0.12
TPH (mg/kg)				
TRPH	9 J	614	363	328
total hydrocarbons, C10-C39	100 U	900	400	500
C10-C11	--	23	9	10
C12-C13	--	200	83	100
C14-C15	--	450	210	250
C16-C17	--	130	63	73
C18-C19	--	30	10	15
C20-C21	--	12	5	6
C22-C23	--	6		
C24-C25	--			
C27-C28	--			
C29-C30	--			
C31-C32	--			
C33-C34	--			
C35-C36	--			
C37-C39	--			

Notes:

--: Not analyzed.

blank: analyte not detected at unknown detection limit.

Table A-2
SCAPS Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-043 D2 SS043-27-29 8/9/99 silt nothing	SE-047 D3 SS047-10-12 9/7/99	SE-047 D3 SS047-12-14 9/7/99	SE-047 D3 SS047-14-15 9/7/99
LIF (counts/wavelength)				
Exsitu maximum intensity	624	--	--	--
Exsitu peak wavelength	454	--	--	--
Insitu maximum intensity	3837	--	--	--
Insitu peak wavelength	454	--	--	--
PAHs (mg/kg)				
2-methylnaphthalene	20 U	20 U	20 U	10 J
acenaphthene	20 U	20 U	20 U	20 U
acenaphthylene	20 U	20 U	20 U	20 U
anthracene	20 U	20 U	20 U	20 U
benzo(a)anthracene	20 U	20 U	20 U	20 U
benzo(a)pyrene	20 U	20 U	20 U	20 U
benzo(b)fluoranthene	20 U	20 U	20 U	20 U
benzo(g,h,i)perylene	20 U	20 U	20 U	20 U
benzo(k)fluoranthene	20 U	20 U	20 U	20 U
carbazole	20 U	20 UJ	20 UJ	20 UJ
chrysene	20 U	20 U	20 U	20 U
dibenzo(a,h)anthracene	20 U	20 U	20 U	20 U
dibenzofuran	20 U	20 U	20 U	20 U
fluoranthene	20 U	20 U	20 U	20 U
fluorene	20 U	20 U	20 U	20
indeno(1,2,3-cd)pyrene	20 U	20 U	20 U	20 U
naphthalene	20 U	20 U	20 U	20 U
pentachlorophenol	60 U	60 U	140	330 J
phenanthrene	20 U	20 U	20	40
pyrene	20 U	20 U	20 U	20 U
Total HPAH (U=1/2)	100	100	100	100
Total LPAH (U=1/2)	70	70	80	110
Total PAH (U=1/2)	170	170	180	210
LPAH/HPAH (U=1/2)	0.7	0.7	0.8	1.1
Naphthalene/Total PAH (U=1/2)	0.12	0.12	0.11	0.1
TPH (mg/kg)				
TRPH	38	750	4088	7724
total hydrocarbons, C10-C39	100	600	7700 J	9200 J
C10-C11		16	280 J	300 J
C12-C13	23	97	1200 J	1500 J
C14-C15	53	140	1700 J	2000 J
C16-C17	15	140	1600 J	1900 J
C18-C19		130	1400 J	1600 J
C20-C21		71	770 J	1100 J
C22-C23		19	460 J	630 J
C24-C25		14	220 J	
C27-C28				
C29-C30				
C31-C32				
C33-C34				
C35-C36				
C37-C39				

Notes:

--: Not analyzed.

blank: analyte not detected at unknown detection limit.

Table A-2
SCAPS Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-064 C2 SS064-31-33 9/6/99 sand/silt odor	SE-064 C2 SS064-34-36 9/6/99 Primary sand mobile	SE-064 C2 SS564-34-36 9/6/99 Field Duplicate sand mobile	SE-064 C2 SS064-50-51 9/6/99 sand odor
LIF (counts/wavelength)				
Exsitu maximum intensity	83	1000	1212	83
Exsitu peak wavelength	444	452	447	443
Insitu maximum intensity	799	1749	1749	2661
Insitu peak wavelength	470	469	469	413
PAHs (mg/kg)				
2-methylnaphthalene	30 U	210	220	20 U
acenaphthene	30 U	130	120	20 U
acenaphthylene	30 U	20 U	20 U	20 U
anthracene	30 U	50	40	20 U
benzo(a)anthracene	30 U	10 J	20 U	20 U
benzo(a)pyrene	30 U	20 U	20 U	20 U
benzo(b)fluoranthene	30 U	20 U	20 U	20 U
benzo(g,h,i)perylene	30 U	20 U	20 U	20 U
benzo(k)fluoranthene	30 U	20 U	20 U	20 U
carbazole	30 UJ	20 UJ	20 UJ	20 UJ
chrysene	30 U	10 J	20 U	20 U
dibenzo(a,h)anthracene	30 U	20 U	20 U	20 U
dibenzofuran	30 U	80	70	20 U
fluoranthene	30 U	70	60	20 U
fluorene	30 U	90	80	20 U
indeno(1,2,3-cd)pyrene	30 U	20 U	20 U	20 U
naphthalene	30 U	290	350	20 U
pentachlorophenol	60 U	60 U	60 U	60 U
phenanthrene	30 U	180	160	20 U
pyrene	30 U	60	50	20 U
Total HPAH (U=1/2)	150	210	190	100
Total LPAH (U=1/2)	105	960	980	70
Total PAH (U=1/2)	255	1170	1170	170
LPAH/HPAH (U=1/2)	0.7	4.6	5.2	0.7
Naphthalene/Total PAH (U=1/2)	0.12	0.25	0.3	0.12
TPH (mg/kg)				
TRPH	15 U	1111	1051	1 J
total hydrocarbons, C10-C39	100 U	3700	3800	100 U
C10-C11	--	980	1000	--
C12-C13	--	830	850	--
C14-C15	--	770	790	--
C16-C17	--	480	490	--
C18-C19	--	320	330	--
C20-C21	--	190	190	--
C22-C23	--	94	98	--
C24-C25	--	44	44	--
C27-C28	--	22	22	--
C29-C30	--			--
C31-C32	--	9	8	--
C33-C34	--			--
C35-C36	--			--
C37-C39	--			--

Notes:

--: Not analyzed.

blank: analyte not detected at unknown detection limit.

Table A-2
SCAPS Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC	SE-064 C2 SS064-62-63.3 9/6/99	SE-079 C3 SS079-51-52 9/8/99	SE-079 C3 SS079-54-54.2 9/8/99	SE-079 C3 SS079-54.2-55 9/8/99
Soil Description NAPL Description	sand sheen/visible	sand sheen	sand visible	clay odor
LIF (counts/wavelength)				
Exsitu maximum intensity	162	739	1034	176
Exsitu peak wavelength	454	476	486	454
Insitu maximum intensity	54	1468	541	325
Insitu peak wavelength	405	489	493	486
PAHs (mg/kg)				
2-methylnaphthalene	30 U	280	390	50
acenaphthene	30 U	260	320	50
acenaphthylene	30 U	20 U	20 U	20 U
anthracene	30 U	100	130	20
benzo(a)anthracene	30 U	70	90	10 J
benzo(a)pyrene	30 U	30	40	20 U
benzo(b)fluoranthene	30 U	40	50	20 U
benzo(g,h,i)perylene	30 U	20 U	10 J	20 U
benzo(k)fluoranthene	30 U	20 J	20	20 U
carbazole	30 UJ	60 J	80 J	30 UJ
chrysene	30 U	60	80	10 J
dibenz(a,h)anthracene	30 U	20 U	20 U	20 U
dibenzofuran	30 U	180	220	40
fluoranthene	30 U	300	360	60
fluorene	30 U	210	260	40
indeno(1,2,3-cd)pyrene	30 U	20 U	10 J	20 U
naphthalene	30 U	460	780	80
pentachlorophenol	70 U	60 U	60 U	60 U
phenanthrene	30 U	600	690	120
pyrene	30 U	210	260	40
Total HPAH (U=1/2)	150	760	930	180
Total LPAH (U=1/2)	105	1920	2580	370
Total PAH (U=1/2)	255	2680	3510	550
LPAH/HPAH (U=1/2)	0.7	2.5	2.8	2.1
Naphthalene/Total PAH (U=1/2)	0.12	0.17	0.22	0.15
TPH (mg/kg)				
TRPH	38	1550	1607	76
total hydrocarbons, C10-C39	80 J	5000	4700 J	200
C10-C11	9	790	870 J	43
C12-C13	14	640	570 J	25
C14-C15	23	1000	910 J	39
C16-C17	18	890	810 J	32
C18-C19	9	650	590 J	21
C20-C21	6	490	420 J	15
C22-C23		220	230 J	6
C24-C25		120	110 J	
C27-C28		97	100 J	
C29-C30		48	66 J	
C31-C32				
C33-C34			16 J	
C35-C36				
C37-C39				

Notes:

--: Not analyzed.

blank: analyte not detected at unknown detection limit.

Table A-2
SCAPS Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-079 C3 SS079-58-60 9/8/99 clay/silt odor	SE-079 C3 SS079-80-81 9/8/99 sand visible	SE-081 C3 SS081-50-50.6 9/8/99 clay/gravel odor	SE-088 B1 SS088-5.4-5.8 9/6/99 silty/sand visible
LIF (counts/wavelength)				
Exsitu maximum intensity	78	228	99	1350
Exsitu peak wavelength	442	452	442	448
Insitu maximum intensity	701	689	522	1724
Insitu peak wavelength	488	498	494	468
PAHs (mg/kg)				
2-methylnaphthalene	20 U	20 U	20 U	6000
acenaphthene	20 U	20 U	20 U	3000
acenaphthylene	20 U	20 U	20 U	70 J
anthracene	20 U	20 U	20 U	900 J
benzo(a)anthracene	20 U	20 U	20 U	200 J
benzo(a)pyrene	20 U	20 U	20 U	70 J
benzo(b)fluoranthene	20 U	20 U	20 U	90 J
benzo(g,h,i)perylene	20 U	20 U	20 U	100 U
benzo(k)fluoranthene	20 U	20 U	20 U	100 U
carbazole	20 UJ	20 UJ	20 U	400 J
chrysene	20 U	20 U	20 U	200 J
dibenzo(a,h)anthracene	20 U	20 U	20 U	100 U
dibenzofuran	20 U	20 U	20 U	1500 J
fluoranthene	20 U	20 U	20 U	1300 J
fluorene	20 U	20 U	20 U	2000
indeno(1,2,3-cd)pyrene	20 U	20 U	20 U	100 U
naphthalene	20 U	20 U	20 U	11000
pentachlorophenol	60 U	50 U	50 UJ	1200 J
phenanthrene	20 U	20	20 U	4000
pyrene	20 U	20 U	20 U	1000 J
Total HPAH (U=1/2)	100	100	100	3060
Total LPAH (U=1/2)	70	70	70	26970
Total PAH (U=1/2)	170	170	170	30030
LPAH/HPAH (U=1/2)	0.7	0.7	0.7	8.8
Naphthalene/Total PAH (U=1/2)	0.12	0.12	0.12	0.37
TPH (mg/kg)				
TRPH	3 J	27	5 J	35104
total hydrocarbons, C10-C39	100 U	100	100 U	39000 J
C10-C11	--	6	--	7700 J
C12-C13	--	9	--	7400 J
C14-C15	--	24	--	7700 J
C16-C17	--	22	--	6400 J
C18-C19	--	17	--	4900 J
C20-C21	--	12	--	2800 J
C22-C23	--	5	--	1500 J
C24-C25	--		--	770 J
C27-C28	--		--	280 J
C29-C30	--		--	120 J
C31-C32	--		--	
C33-C34	--		--	8 J
C35-C36	--		--	
C37-C39	--		--	

Notes:

--: Not analyzed.

blank: analyte not detected at unknown detection limit.

Table A-2
SCAPS Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-088 B1 SS088-9-10.3 9/6/99 clay sheen	SE-088 B1 SS088-10.3-11 9/6/99 clay visible	SE-088 B1 SS088-14-15.4 9/6/99 clay visible	SE-088 B1 SS088-20-21 9/6/99 clay/sand/silt visible
LIF (counts/wavelength)				
Exsitu maximum intensity	124	147	77	507
Exsitu peak wavelength	454	443	442	452
Insitu maximum intensity	2821	1310	3088	2938
Insitu peak wavelength	469	471	470	478
PAHs (mg/kg)				
2-methylnaphthalene	30	30	30 U	170
acenaphthene	20 J	30	30 U	140
acenaphthylene	30 U	30 U	30 U	20 U
anthracene	30 U	20 J	30 U	70
benzo(a)anthracene	30 U	30 U	30 U	20
benzo(a)pyrene	30 U	30 U	30 U	20 U
benzo(b)fluoranthene	30 U	30 U	30 U	20 U
benzo(g,h,i)perylene	30 U	30 U	30 U	20 U
benzo(k)fluoranthene	30 U	30 U	30 U	20 U
carbazole	30 UJ	30 U	30 UJ	30 J
chrysene	30 U	30 U	30 U	20
dibenzo(a,h)anthracene	30 U	30 U	30 U	20 U
dibenzofuran	30 U	20 J	30 U	90
fluoranthene	30 U	20 J	30 U	100
fluorene	30 U	20 J	30 U	100
indeno(1,2,3-cd)pyrene	30 U	30 U	30 U	20 U
naphthalene	20 J	40	30 U	420
pentachlorophenol	70 U	60 U	70 U	60 U
phenanthrene	20 J	50	30 U	240
pyrene	30 U	20 J	30 U	80
Total HPAH (U=1/2)	150	160	150	280
Total LPAH (U=1/2)	135	205	105	1150
Total PAH (U=1/2)	285	365	255	1430
LPAH/HPAH (U=1/2)	0.9	1.3	0.7	4.1
Naphthalene/Total PAH (U=1/2)	0.07	0.11	0.12	0.29
TPH (mg/kg)				
TRPH	41	127	8 J	903
total hydrocarbons, C10-C39	200	200	100 U	1900
C10-C11	10	23	--	350
C12-C13	36	31	--	270
C14-C15	46	45	--	340
C16-C17	40	41	--	330
C18-C19	23	31	--	270
C20-C21	15	20	--	160
C22-C23		9	--	90
C24-C25			--	46
C27-C28			--	
C29-C30			--	
C31-C32			--	
C33-C34			--	
C35-C36			--	
C37-C39			--	

Notes:

--: Not analyzed.

blank: analyte not detected at unknown detection limit.

Table A-2
SCAPS Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-088 B1 SS088-24-25.8 9/6/99 Primary sand/clay visible	SE-088 B1 SS588-24-25.8 9/6/99 Field Duplicate sand/clay visible	SE-093 D3 SS093-45-46 9/8/99 sand odor	SE-093 D3 SS093-63-65 9/8/99 sand odor
LIF (counts/wavelength)				
Exsitu maximum intensity	850	830	93	119
Exsitu peak wavelength	454	466	443	441
Insitu maximum intensity	1989	1989	64	426
Insitu peak wavelength	475	475	447	411
PAHs (mg/kg)				
2-methylnaphthalene	250	280	20 U	20 U
acenaphthene	170	180	20 U	20 U
acenaphthylene	20 U	20 U	20 U	20 U
anthracene	80	80	20 U	20 U
benzo(a)anthracene	20	20	20 U	20 U
benzo(a)pyrene	20 U	20 U	20 U	20 U
benzo(b)fluoranthene	20 U	20 U	20 U	20 U
benzo(g,h,i)perylene	20 U	20 U	20 U	20 U
benzo(k)fluoranthene	20 U	20 U	20 U	20 U
carbazole	40 J	40 J	20 U	20 U
chrysene	20	20	20 U	20 U
dibenzo(a,h)anthracene	20 U	20 U	20 U	20 U
dibenzofuran	110	120	20 U	20 U
fluoranthene	120	120	20 U	20 U
fluorene	130	140	20 U	20 U
indeno(1,2,3-cd)pyrene	20 U	20 U	20 U	20 U
naphthalene	510 J	550	20 U	20 U
pentachlorophenol	60 U	60 U	60 UJ	60 UJ
phenanthrene	290	310	20 U	20 U
pyrene	90	100	20 U	20 U
Total HPAH (U=1/2)	310	320	100	100
Total LPAH (U=1/2)	1440	1550	70	70
Total PAH (U=1/2)	1750	1870	170	170
LPAH/HPAH (U=1/2)	4.6	4.8	0.7	0.7
Naphthalene/Total PAH (U=1/2)	0.29	0.29	0.12	0.12
TPH (mg/kg)				
TRPH	1507	1080	15 U	15 U
total hydrocarbons, C10-C39	1600	3400	100 U	100 U
C10-C11	330	720	--	--
C12-C13	270	560	--	--
C14-C15	300	630	--	--
C16-C17	270	580	--	--
C18-C19	210	400	--	--
C20-C21	120	300	--	--
C22-C23	66	100	--	--
C24-C25	30	30	--	--
C27-C28	14	30	--	--
C29-C30	6		--	--
C31-C32			--	--
C33-C34			--	--
C35-C36			--	--
C37-C39			--	--

Notes:

--: Not analyzed.

blank: analyte not detected at unknown detection limit.

Table A-2
SCAPS Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-093 D3 SS093-66-67 9/8/99 clay/sand visible	SE-093 D3 SS093-67-68 9/8/99 sandy/clay sheen	SE-096 D2 SS096-63-65 9/9/99 sand/silt/cl mobile	SE-096 D2 SS096-66-67.6 9/9/99 sand mobile
LIF (counts/wavelength)				
Exsitu maximum intensity	93	88	2056	309
Exsitu peak wavelength	443	443	468	442
Insitu maximum intensity	540	929	3106	2602
Insitu peak wavelength	411	476	471	471
PAHs (mg/kg)				
2-methylnaphthalene	20 U	20 U	2400 J	20 U
acenaphthene	20 U	20 U	1100 J	20 U
acenaphthylene	20 U	20 U	20 U	20 U
anthracene	20 U	20 U	280	20 U
benzo(a)anthracene	20 U	20 U	60	20 U
benzo(a)pyrene	20 U	20 U	20	20 U
benzo(b)fluoranthene	20 U	20 U	20	20 U
benzo(g,h,i)perylene	20 U	20 U	20 U	20 U
benzo(k)fluoranthene	20 U	20 U	10 J	20 U
carbazole	20 U	20 U	120	20 U
chrysene	20 U	20 U	60	20 U
dibenzo(a,h)anthracene	20 U	20 U	20 U	20 U
dibenzofuran	20 U	20 U	600 J	20 U
fluoranthene	20 U	20 U	500 J	20 U
fluorene	20 U	20 U	700 J	20 U
indeno(1,2,3-cd)pyrene	20 U	20 U	20 U	20 U
naphthalene	20 U	20 U	4500 J	20 U
pentachlorophenol	60 UJ	60 UJ	60 UJ	60 UJ
phenanthrene	20 U	20 U	1400 J	20 U
pyrene	20 U	20 U	260	20 U
Total HPAH (U=1/2)	100	100	960	100
Total LPAH (U=1/2)	70	70	10390	70
Total PAH (U=1/2)	170	170	11350	170
LPAH/HPAH (U=1/2)	0.7	0.7	11	0.7
Naphthalene/Total PAH (U=1/2)	0.12	0.12	0.4	0.12
TPH (mg/kg)				
TRPH	15 U	5 J	7311	83
total hydrocarbons, C10-C39	100 U	100 U	14000 J	140
C10-C11	--	--	3500 J	15
C12-C13	--	--	2900 J	24
C14-C15	--	--	2700 J	34
C16-C17	--	--	1800 J	31
C18-C19	--	--	1300 J	18
C20-C21	--	--	700 J	14
C22-C23	--	--	400 J	
C24-C25	--	--	100 J	
C27-C28	--	--	87 J	
C29-C30	--	--	34 J	
C31-C32	--	--		
C33-C34	--	--		
C35-C36	--	--		
C37-C39	--	--		

Notes:

--: Not analyzed.

blank: analyte not detected at unknown detection limit.

Table A-2
SCAPS Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-096 D2 SS096-81-82.4 9/9/99 sand nothing	SE-096 D2 SS096-84.5-84.8 9/9/99 sand/gravel odor	SE-096 D2 SS096-94-96 9/9/99 silty/clay odor	SE-097 D2 SS097-87-89 9/7/99 silty/clay odor
LIF (counts/wavelength)				
Exsitu maximum intensity	115	315	89	78
Exsitu peak wavelength	443	442	442	443
Insitu maximum intensity	48	2117	833	849
Insitu peak wavelength	428	475	467	471
PAHs (mg/kg)				
2-methylnaphthalene	20 U	20 U	20 U	20 U
acenaphthene	20 U	20 U	20 U	20 U
acenaphthylene	20 U	20 U	20 U	20 U
anthracene	20 U	20 U	20 U	20 U
benzo(a)anthracene	20 U	20 U	20 U	20 U
benzo(a)pyrene	20 U	20 U	20 U	20 U
benzo(b)fluoranthene	20 U	20 U	20 U	20 U
benzo(g,h,i)perylene	20 U	20 U	20 U	20 U
benzo(k)fluoranthene	20 U	20 U	20 U	20 U
carbazole	20 U	20 U	20 U	20 UJJ
chrysene	20 U	20 U	20 U	20 U
dibenzo(a,h)anthracene	20 U	20 U	20 U	20 U
dibenzofuran	20 U	20 U	20 U	20 U
fluoranthene	20 U	20 U	20 U	20 U
fluorene	20 U	20 U	20 U	20 U
indeno(1,2,3-cd)pyrene	20 U	20 U	20 U	20 U
naphthalene	20 U	20 U	20 U	20 U
pentachlorophenol	60 UJJ	50 UJJ	60 UJJ	60 U
phenanthrene	20 U	20 U	20 U	20 U
pyrene	20 U	20 U	20 U	20 U
Total HPAH (U=1/2)	100	100	100	100
Total LPAH (U=1/2)	70	70	70	70
Total PAH (U=1/2)	170	170	170	170
LPAH/HPAH (U=1/2)	0.7	0.7	0.7	0.7
Naphthalene/Total PAH (U=1/2)	0.12	0.12	0.12	0.12
TPH (mg/kg)				
TRPH	6 J	99	6 J	1 J
total hydrocarbons, C10-C39	100 U	70 J	100 U	100 U
C10-C11	--	--	--	--
C12-C13	--	--	--	--
C14-C15	--	--	--	--
C16-C17	--	--	--	--
C18-C19	--	--	--	--
C20-C21	--	--	--	--
C22-C23	--	--	--	--
C24-C25	--	--	--	--
C27-C28	--	--	--	--
C29-C30	--	--	--	--
C31-C32	--	--	--	--
C33-C34	--	--	--	--
C35-C36	--	--	--	--
C37-C39	--	--	--	--

Notes:

--: Not analyzed.

blank: analyte not detected at unknown detection limit.

Table A-2
SCAPS Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-097 D2 SS097-90-92 9/7/99 clay/silt odor	SE-097 D2 SS097-92.6-94 9/7/99 Primary silty/sand visible	SE-097 D2 SS597-92.6-94 9/7/99 Field Duplicate silty/sand visible	SE-097 D2 SS097-100-102 9/7/99 silty/clay visible
LIF (counts/wavelength)				
Exsitu maximum intensity	79	152	140	103
Exsitu peak wavelength	442	443	444	452
Insitu maximum intensity	7362	980	980	663
Insitu peak wavelength	477	474	474	469
PAHs (mg/kg)				
2-methylnaphthalene	20 U	30 U	10 J	20 U
acenaphthene	20 U	30 U	30 U	20 U
acenaphthylene	20 U	30 U	30 U	20 U
anthracene	20 U	30 U	30 U	20 U
benzo(a)anthracene	20 U	30 U	30 U	20 U
benzo(a)pyrene	20 U	30 U	30 U	20 U
benzo(b)fluoranthene	20 U	30 U	30 U	20 U
benzo(g,h,i)perylene	20 U	30 U	30 U	20 U
benzo(k)fluoranthene	20 U	30 U	30 U	20 U
carbazole	20 UJ	30 UJ	30 UJ	20 UJ
chrysene	20 U	30 U	30 U	20 U
dibenzo(a,h)anthracene	20 U	30 U	30 U	20 U
dibenzofuran	20 U	30 U	30 U	20 U
fluoranthene	20 U	30 U	30 U	20 U
fluorene	20 U	30 U	30 U	20 U
indeno(1,2,3-cd)pyrene	20 U	30 U	30 U	20 U
naphthalene	20 U	30 U	20 J	20 U
pentachlorophenol	60 U	60 U	60 U	60 U
phenanthrene	20 U	20 J	20 J	20 U
pyrene	20 U	30 U	30 U	20 U
Total HPAH (U=1/2)	100	150	150	100
Total LPAH (U=1/2)	70	110	110	70
Total PAH (U=1/2)	170	260	260	170
LPAH/HPAH (U=1/2)	0.7	0.73	0.73	0.7
Naphthalene/Total PAH (U=1/2)	0.12	0.12	0.07	0.12
TPH (mg/kg)				
TRPH	3 J	66	96	3 J
total hydrocarbons, C10-C39	100 U	140	170	100 U
C10-C11	--	27	36	--
C12-C13	--	26	33	--
C14-C15	--	30	37	--
C16-C17	--	24	30	--
C18-C19	--	15	18	--
C20-C21	--	11	14	--
C22-C23	--			--
C24-C25	--			--
C27-C28	--			--
C29-C30	--			--
C31-C32	--			--
C33-C34	--			--
C35-C36	--			--
C37-C39	--			--

Notes:

--: Not analyzed.

blank: analyte not detected at unknown detection limit.

Table A-2
SCAPS Soil Data

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-097A D2 SS097A-90-92 9/7/99 silty/clay odor
LIF (counts/wavelength)	
Exsitu maximum intensity	107
Exsitu peak wavelength	443
Insitu maximum intensity	7362
Insitu peak wavelength	477
PAHs (mg/kg)	
2-methylnaphthalene	--
acenaphthene	--
acenaphthylene	--
anthracene	--
benzo(a)anthracene	--
benzo(a)pyrene	--
benzo(b)fluoranthene	--
benzo(g,h,i)perylene	--
benzo(k)fluoranthene	--
carbazole	--
chrysene	--
dibenz(a,h)anthracene	--
dibenzofuran	--
fluoranthene	--
fluorene	--
indeno(1,2,3-cd)pyrene	--
naphthalene	--
pentachlorophenol	--
phenanthrene	--
pyrene	--
Total HPAH (U=1/2)	--
Total LPAH (U=1/2)	--
Total PAH (U=1/2)	--
LPAH/HpAH (U=1/2)	--
Naphthalene/Total PAH (U=1/2)	--
TPH (mg/kg)	
TRPH	7 J
total hydrocarbons, C10-C39	--
C10-C11	--
C12-C13	--
C14-C15	--
C16-C17	--
C18-C19	--
C20-C21	--
C22-C23	--
C24-C25	--
C27-C28	--
C29-C30	--
C31-C32	--
C33-C34	--
C35-C36	--
C37-C39	--

Notes:

--: Not analyzed.

blank: analyte not detected at unknown detection limit.

Table A-3
Rotosonic Boring Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC	SB-004 D2 SB004-82.4-82.7 8/10/99	SB-004 D2 SB004-101.7-102 8/10/99	SB-006 C3 SB006-118.7-119 8/5/99	SB-006 C3 SB006-162-162.3 8/5/99
Soil Description NAPL Description	sand odor	clay sheen	sand odor	silt mobile
LIF (counts/wavelength)				
Exsitu maximum intensity	473	458		
Exsitu peak wavelength	402	402		
Insitu maximum intensity	170	507		
Insitu peak wavelength	473	479		
PAHs (mg/kg)				
2-methylnaphthalene		50	10 J	1800
acenaphthene		30		1000
acenaphthylene				300
anthracene		10 J		270
benzo(a)anthracene				180
benzo(a)pyrene				90
benzo(b)fluoranthene				110
benzo(g,h,i)perylene				30
benzo(k)fluoranthene				40
carbazole				160
chrysene				170
dibenzofuran		10 J		600
fluoranthene		20 J		770
fluorene		20 J		660
indeno(1,2,3-cd)pyrene				30
naphthalene		100	30	4100
pentachlorophenol				
phenanthrene		40	20 J	1600
pyrene		10 J		590
Total HPAH (U=1/2)		110	100	2025
Total LPAH (U=1/2)		260	100	9730
Total PAH (U=1/2)		370	200	11755
LPAH/HPAH (U=1/2)		2.4	1	4.8
Naphthalene/Total PAH (U=1/2)		0.27	0.15	0.35
TPH (mg/kg)				
TRPH	7 J	85		
total hydrocarbons, C10-C39		320		6900
C10-C11		93		1900
C12-C13		67		1300
C14-C15		59		1100
C16-C17		45		900
C18-C19		31		600
C20-C21		18		500
C22-C23		7		300
C24-C25				110
C27-C28				80
C29-C30				70
C31-C32				30
C33-C34				
C35-C36				
C37-C39				

Table A-3
Rotosonic Boring Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-006 C3 SB006-212.5-212.8 8/6/99 clay odor	SB-018 C1 SB018-80.5-80.8 8/19/99 sand nothing	SB-019 C2 SB019-37.4-37.7 8/12/99 Primary sand odor	SB-019 C2 SB519-37.4-37.7 8/12/99 Field Duplicate sand odor
LIF (counts/wavelength)				
Exsitu maximum intensity		358	324	360
Exsitu peak wavelength		401	402	402
Insitu maximum intensity			556	556
Insitu peak wavelength			435	435
PAHs (mg/kg)				
2-methylnaphthalene	40			
acenaphthene	40			
acenaphthylene				
anthracene	10 J			
benzo(a)anthracene				
benzo(a)pyrene				
benzo(b)fluoranthene				
benzo(g,h,i)perylene				
benzo(k)fluoranthene				
carbazole				
chrysene				
dibenzofuran	20			
fluoranthene	30			
fluorene	30			
indeno(1,2,3-cd)pyrene				
naphthalene	40			
pentachlorophenol				
phenanthrene	70			
pyrene	20			
Total HPAH (U=1/2)	130			
Total LPAH (U=1/2)	240			
Total PAH (U=1/2)	370			
LPAH/HPAH (U=1/2)	1.8			
Naphthalene/Total PAH (U=1/2)	0.11			
TPH (mg/kg)				
TRPH		1 J	151	99
total hydrocarbons, C10-C39	700		88 J	120
C10-C11	190			
C12-C13	130		6	12
C14-C15	110		21	29
C16-C17	90		27	28
C18-C19	60		13	25
C20-C21	50		19	26
C22-C23	30			
C24-C25	9			
C27-C28	11			
C29-C30	6			
C31-C32				
C33-C34				
C35-C36				
C37-C39				

Table A-3
Rotosonic Boring Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-019 C2 SB019-53.6-53.9 8/12/99 sand odor	SB-019 C2 SB019-182.7-183 8/16/99 sand nothing	SB-027 C2 SB027-13.3-13.7 9/2/99 clay odor	SB-027 C2 SB027-19.7-20.0 9/2/99 clay odor
LIF (counts/wavelength)				
Exsitu maximum intensity	452			
Exsitu peak wavelength	402			
Insitu maximum intensity	77			
Insitu peak wavelength	401			
PAHs (mg/kg)				
2-methylnaphthalene				
acenaphthene				
acenaphthylene				
anthracene				
benzo(a)anthracene				
benzo(a)pyrene				
benzo(b)fluoranthene				
benzo(g,h,i)perylene				
benzo(k)fluoranthene				
carbazole				
chrysene				
dibenzofuran				
fluoranthene				
fluorene				
indeno(1,2,3-cd)pyrene				
naphthalene				
pentachlorophenol			530	230
phenanthrene				
pyrene				
Total HPAH (U=1/2)			150	100
Total LPAH (U=1/2)			105	70
Total PAH (U=1/2)			255	170
LPAH/HPAH (U=1/2)			0.7	0.7
Naphthalene/Total PAH (U=1/2)			0.12	0.12
TPH (mg/kg)				
TRPH	142			
total hydrocarbons, C10-C39	160	3.9		
C10-C11	7			
C12-C13	10			
C14-C15	37			
C16-C17	36			
C18-C19	36			
C20-C21	27			
C22-C23	5			
C24-C25				
C27-C28				
C29-C30				
C31-C32				
C33-C34				
C35-C36				
C37-C39				

Table A-3
Rotosonic Boring Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-027 C2 SB027-24.0-24.4 9/2/99 sand odor	SB-027 C2 SB027-63.6-64.0 9/2/99 sand sheen	SB-027 C2 SB027-69.0-69.3 9/2/99 sand odor	SB-027 C2 SB027-73.4-73.9 9/2/99 sand odor
LIF (counts/wavelength)				
Exsitu maximum intensity				
Exsitu peak wavelength				
Insitu maximum intensity				
Insitu peak wavelength				
PAHs (mg/kg)				
2-methylnaphthalene		30	130	180
acenaphthene		40	80	100
acenaphthylene				
anthracene		20	30	30
benzo(a)anthracene		10 J		20
benzo(a)pyrene				
benzo(b)fluoranthene				10 J
benzo(g,h,i)perylene				
benzo(k)fluoranthene				
carbazole				10 J
chrysene		10 J	10 J	20
dibenzofuran		20	50	60
fluoranthene		40	50	60
fluorene		20	50	60
indeno(1,2,3-cd)pyrene				
naphthalene		40	130	210
pentachlorophenol	200			
phenanthrene		80	120	130
pyrene		40	40	50
Total HPAH (U=1/2)	100	160	170	210
Total LPAH (U=1/2)	70	240	550	720
Total PAH (U=1/2)	170	400	720	930
LPAH/HPAH (U=1/2)	0.7	1.5	3.2	3.4
Naphthalene/Total PAH (U=1/2)	0.12	0.1	0.18	0.23
TPH (mg/kg)				
TRPH				
total hydrocarbons, C10-C39		830	1300	670
C10-C11		190	400	240
C12-C13		120	320	150
C14-C15		130	240	110
C16-C17		110	140	58
C18-C19		89	89	40
C20-C21		74	65	30
C22-C23		50	40	20
C24-C25		20	20	8
C27-C28		20	20	8
C29-C30		10	10	5
C31-C32				
C33-C34				
C35-C36				
C37-C39				

Table A-3
Rotosonic Boring Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-027 C2 SB027-96.3-96.9 9/2/99 clay odor	SB-027 C2 SB027-113.3-113.7 9/3/99 sand odor	SB-027 C2 SB027-115.9-116.3 9/3/99 sand sheen	SB-027 C2 SB027-122.8-123.1 9/3/99 sand sheen
LIF (counts/wavelength)				
Exsitu maximum intensity				
Exsitu peak wavelength				
Insitu maximum intensity				
Insitu peak wavelength				
PAHs (mg/kg)				
2-methylnaphthalene		20	620	1900
acenaphthene		10 J	360	1000
acenaphthylene				20
anthracene		10 J	110	400
benzo(a)anthracene		10 J	60	160
benzo(a)pyrene			30	80
benzo(b)fluoranthene			40	100
benzo(g,h,i)perylene				30
benzo(k)fluoranthene			10 J	40
carbazole			30 J	100 J
chrysene			60	150
dibenzofuran			210	600
fluoranthene		40	240	700
fluorene		10 J	220	700
indeno(1,2,3-cd)pyrene			10 J	30
naphthalene		20	840	2700
pentachlorophenol				
phenanthrene		60	500	1500
pyrene		30	180	500
Total HPAH (U=1/2)		150	650	1800
Total LPAH (U=1/2)		140	2660	8220
Total PAH (U=1/2)		290	3310	10020
LPAH/HPAH (U=1/2)		0.93	4.1	4.6
Naphthalene/Total PAH (U=1/2)		0.06	0.25	0.27
TPH (mg/kg)				
TRPH				
total hydrocarbons, C10-C39	60 J	380	5100	15000
C10-C11	10	67	1200	3500
C12-C13	20	46	1100	3300
C14-C15	10	51	960	2800
C16-C17	9	59	630	1900
C18-C19	6	52	440	1300
C20-C21	5	40	330	970
C22-C23		30	200	590
C24-C25		10	100	300
C27-C28		10	100	270
C29-C30		9	60	200
C31-C32			20	50
C33-C34			20	50
C35-C36				
C37-C39				

Table A-3
Rotosonic Boring Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-028 C2 SB028-8.0-8.4 9/29/99 clay odor	SB-028 C2 SB028-9.0-10.1 8/8/99	SB-028 C2 SB028-10.1-11 8/8/99	SB-028 C2 SB028-12-12.5 9/29/99 clay odor
LIF (counts/wavelength)				
Exsitu maximum intensity				
Exsitu peak wavelength				
Insitu maximum intensity				
Insitu peak wavelength				
PAHs (mg/kg)				
2-methylnaphthalene	120		20	10 J
acenaphthene	90		20	
acenaphthylene				
anthracene	220		10 J	180
benzo(a)anthracene	20			
benzo(a)pyrene	10 J			
benzo(b)fluoranthene	10 J			
benzo(g,h,i)perylene				
benzo(k)fluoranthene				
carbazole	100			70 J
chrysene	30			
dibenzofuran	70		10 J	
fluoranthene	110		30	10 J
fluorene	90		20	20
indeno(1,2,3-cd)pyrene				
naphthalene	110			
pentachlorophenol	140			
phenanthrene	240		60	40
pyrene	90		20	
Total HPAH (U=1/2)	310		130	100
Total LPAH (U=1/2)	880		150	280
Total PAH (U=1/2)	1190		280	380
LPAH/HPAH (U=1/2)	2.8		1.2	2.8
Naphthalene/Total PAH (U=1/2)	0.09		0.07	0.05
TPH (mg/kg)				
TRPH		34	353	
total hydrocarbons, C10-C39	880	250	440	250
C10-C11	22	5	10	5
C12-C13	51	10	45	9
C14-C15	95	30	74	22
C16-C17	490	180	84	180
C18-C19	83	10	67	20
C20-C21	46	9	58	19
C22-C23	51	5	50	
C24-C25	23		20	
C27-C28	15		20	
C29-C30			10	
C31-C32				
C33-C34				
C35-C36				
C37-C39				

Table A-3
Rotosonic Boring Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-028 C2 SB028-28.3-29.4 9/29/99 sand & gravel sheen	SB-028 C2 SB028-31-33 9/29/99 sand sheen	SB-028 C2 SB028-48-49.7 9/29/99 sand sheen	SB-028 C2 SB028-53.5-55 9/29/99 Primary sand sheen
LIF (counts/wavelength)				
Exsitu maximum intensity				
Exsitu peak wavelength				
Insitu maximum intensity				
Insitu peak wavelength				
PAHs (mg/kg)				
2-methylnaphthalene	180	140		420
acenaphthene	110	70	20	260
acenaphthylene				
anthracene	60	40	10 J	130
benzo(a)anthracene	50	20		80
benzo(a)pyrene	20			30
benzo(b)fluoranthene	30			40
benzo(g,h,i)perylene				10 J
benzo(k)fluoranthene	20			30
carbazole	40 J	20 J		70 J
chrysene	50	20		70
dibenzofuran	100	50	10 J	180
fluoranthene	200	70	20	300
fluorene	80	50	20	210
indeno(1,2,3-cd)pyrene	10 J			10 J
naphthalene	620 J	450	20	1200
pentachlorophenol				
phenanthrene	350 J	160	50	620
pyrene	150	60	20	220
Total HPAH (U=1/2)	550	230	120	800
Total LPAH (U=1/2)	1410	920	140	2850
Total PAH (U=1/2)	1960	1150	260	3650
LPAH/HPAH (U=1/2)	2.6	4	1.2	3.6
Naphthalene/Total PAH (U=1/2)	0.32	0.39	0.07	0.33
TPH (mg/kg)				
TRPH				
total hydrocarbons, C10-C39	2600	1300	630	6000
C10-C11	690	420	55	1700
C12-C13	330	210	53	820
C14-C15	390	230	130	980
C16-C17	410	180	160	900
C18-C19	300	130	90	620
C20-C21	230	84	69	460
C22-C23	120	42	35	240
C24-C25	30	16	9.4	97
C27-C28	47	16	14	130
C29-C30	25	10	5	57
C31-C32				
C33-C34				
C35-C36				
C37-C39				

Table A-3
Rotosonic Boring Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-028 C2 SB528-53.5-55 9/29/99 Field Duplicate sand sheen	SB-028 C2 SB028-55-56 9/29/99 sand nothing	SB-028 C2 SB028-79.5-79.8 9/29/99 clay odor	SB-028 C2 SB028-100.6-101.5 9/29/99 clay sheen
LIF (counts/wavelength)				
Exsitu maximum intensity				
Exsitu peak wavelength				
Insitu maximum intensity				
Insitu peak wavelength				
PAHs (mg/kg)				
2-methylnaphthalene	650	80		20
acenaphthene	450	60		20
acenaphthylene				
anthracene	210	30		
benzo(a)anthracene	120	20		
benzo(a)pyrene	50			
benzo(b)fluoranthene	60			
benzo(g,h,i)perylene	20			
benzo(k)fluoranthene	40			
carbazole	100 J	20 J		
chrysene	110	20		
dibenzofuran	260	40		
fluoranthene	480	80	10 J	40
fluorene	260	50		20
indeno(1,2,3-cd)pyrene	20			
naphthalene	1900	190	20	20
pentachlorophenol				
phenanthrene	980	150	20	70
pyrene	440	60		30
Total HPAH (U=1/2)	1350	240	100	150
Total LPAH (U=1/2)	4460	510	90	170
Total PAH (U=1/2)	5810	810	190	320
LPAH/HPAH (U=1/2)	3.3	2.4	0.9	1.1
Naphthalene/Total PAH (U=1/2)	0.33	0.23	0.11	0.06
TPH (mg/kg)				
TRPH				
total hydrocarbons, C10-C39	6500	490		
C10-C11	1800	130		92
C12-C13	900	64		82
C14-C15	1100	82		110
C16-C17	980	79		150
C18-C19	670	53		93
C20-C21	500	43		100
C22-C23	260	21		33
C24-C25	100	5.9		10
C27-C28	140	12		
C29-C30	63			
C31-C32				
C33-C34				
C35-C36				
C37-C39				

Table A-3
Rotosonic Boring Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-028 C2 SB028-113-113.2 9/29/99 sand sheen	SB-030 D3 SB030-69.7-70.0 8/23/99 sand odor	SB-051 D2 SB051-52.4-52.9 9/8/99 sand sheen	SB-051 D2 SB051-56.0-56.3 9/8/99 sand visible
LIF (counts/wavelength)				
Exsitu maximum intensity		390.3	608	819
Exsitu peak wavelength		402	402	432
Insitu maximum intensity			3807	91.8
Insitu peak wavelength			469	442
PAHs (mg/kg)				
2-methylnaphthalene				60
acenaphthene	10 J			40
acenaphthylene				
anthracene				10 J
benzo(a)anthracene				
benzo(a)pyrene				
benzo(b)fluoranthene				
benzo(g,h,i)perylene				
benzo(k)fluoranthene				
carbazole				
chrysene				
dibenzofuran				20
fluoranthene	30			20
fluorene	10 J			20
indeno(1,2,3-cd)pyrene				
naphthalene				120
pentachlorophenol				
phenanthrene	50		10 J	50
pyrene	20			10 J
Total HPAH (U=1/2)	130		100	110
Total LPAH (U=1/2)	110		70	310
Total PAH (U=1/2)	240		170	420
LPAH/HPAH (U=1/2)	0.85		0.7	2.8
Naphthalene/Total PAH (U=1/2)	0.08		0.12	0.29
TPH (mg/kg)				
TRPH		8	108	296
total hydrocarbons, C10-C39	100		310	720
C10-C11	21		81	190
C12-C13	12		60	140
C14-C15	29		60	140
C16-C17	20		50	100
C18-C19	7		30	74
C20-C21	21		20	50
C22-C23			9	20
C24-C25				7
C27-C28				
C29-C30				
C31-C32				
C33-C34				
C35-C36				
C37-C39				

Table A-3
Rotosonic Boring Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-051 D2 SB051-77.0-77.4 9/8/99 clay odor	SB-051 D2 SB051-80.0-80.3 9/8/99 sand odor	SB-051 D2 SB051-124.3-124.6 9/9/99 silt odor	SB-051 D2 SB051-131.8-132.1 9/9/99 sand odor
LIF (counts/wavelength)				
Exsitu maximum intensity	329	410		
Exsitu peak wavelength	402	402		
Insitu maximum intensity	9601	67.3		
Insitu peak wavelength	458	422		
PAHs (mg/kg)			10 J	
2-methylnaphthalene				
acenaphthene				
acenaphthylene				
anthracene				
benzo(a)anthracene				
benzo(a)pyrene				
benzo(b)fluoranthene				
benzo(g,h,i)perylene				
benzo(k)fluoranthene				
carbazole				
chrysene				
dibenzofuran				
fluoranthene				
fluorene				
indeno(1,2,3-cd)pyrene				
naphthalene	20	20	30	
pentachlorophenol			20	10 J
phenanthrene				
pyrene				
Total HPAH (U=1/2)	100	100	100	100
Total LPAH (U=1/2)	80	80	100	70
Total PAH (U=1/2)	180	180	200	170
LPAH/HPAH (U=1/2)	0.8	0.8	1	0.7
Naphthalene/Total PAH (U=1/2)	0.11	0.11	0.15	0.12
TPH (mg/kg)				
TRPH	67	33		
total hydrocarbons, C10-C39	160	70 J	130	120
C10-C11	40		30	20
C12-C13	30		20	20
C14-C15	30		30	30
C16-C17	30		20	20
C18-C19	20		10	20
C20-C21	10		10	10
C22-C23				
C24-C25				
C27-C28				
C29-C30				
C31-C32				
C33-C34				
C35-C36				
C37-C39				

Table A-3
Rotosonic Boring Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-057 C2 SB057-2.7-3 10/9/99 sand and gravel nothing	SB-057 C2 SB057-28-29.8 10/9/99 clay odor	SB-057 C2 SB057-31-32 10/9/99 clay sheen	SB-057 C2 SB057-36-38 10/9/99 Primary sand sheen
LIF (counts/wavelength)				
Exsitu maximum intensity				
Exsitu peak wavelength				
Insitu maximum intensity				
Insitu peak wavelength				
PAHs (mg/kg)				
2-methylnaphthalene		240	210	1400
acenaphthene		90	80	600
acenaphthylene				10 J
anthracene		40	30	230
benzo(a)anthracene				50
benzo(a)pyrene				20
benzo(b)fluoranthene				10 J
benzo(g,h,i)perylene				
benzo(k)fluoranthene				20
carbazole		10 J		80 J
chrysene		10 J		50
dibenzofuran		50	50	300
fluoranthene		50	40	300
fluorene		70	60	400
indeno(1,2,3-cd)pyrene				
naphthalene		470	430	3100
pentachlorophenol	170			130
phenanthrene		140	120	800
pyrene		40	40	220
Total HPAH (U=1/2)	100	170	160	700
Total LPAH (U=1/2)	70	1060	940	6540
Total PAH (U=1/2)	170	1230	1100	7240
LPAH/HPAH (U=1/2)	0.7	6.2	5.9	9.3
Naphthalene/Total PAH (U=1/2)	0.12	0.38	0.39	0.43
TPH (mg/kg)				
TRPH				
total hydrocarbons, C10-C39	2200	2100	2300	30000
C10-C11		570	620	8000
C12-C13		480	520	6800
C14-C15	120	590	630	6700
C16-C17	290	230	260	3900
C18-C19	470	110	130	2100
C20-C21	390	66	76	1400
C22-C23	400	27	41	590
C24-C25	170			270
C27-C28	150			
C29-C30	220		16	200
C31-C32				
C33-C34				
C35-C36				
C37-C39				

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Rotosonic Boring Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-057 C2 SB557-36-38 10/9/99 Field Duplicate sand sheen	SB-057 C2 SB057-40-50 10/9/99 sand mobile	SB-057 C2 SB057-51-52 10/9/99 Primary sand sheen	SB-057 C2 SB557-51-52 10/9/99 Field Duplicate sand sheen
LIF (counts/wavelength)				
Exsitu maximum intensity				
Exsitu peak wavelength				
Insitu maximum intensity				
Insitu peak wavelength				
PAHs (mg/kg)				
2-methylnaphthalene	2500	2600	80	100
acenaphthene	900	1000	50	60
acenaphthylene	20	20		
anthracene	400	400	20	30
benzo(a)anthracene	90	90		
benzo(a)pyrene	20	30		
benzo(b)fluoranthene	20	20		
benzo(g,h,i)perylene				
benzo(k)fluoranthene	20	30		
carbazole	130 J	140 J		
chrysene	90	90		
dibenzofuran	600	600	30	40
fluoranthene	500	500	30	40
fluorene	700	700	40	40
indeno(1,2,3-cd)pyrene				
naphthalene	5400	5800	110	130
pentachlorophenol	200 J	200		
phenanthrene	1300	1300	80	100
pyrene	400	400	30	30
Total HPAH (U=1/2)	1170	1190	140	150
Total LPAH (U=1/2)	11220	11820	390	470
Total PAH (U=1/2)	12390	13010	530	620
LPAH/HPAH (U=1/2)	9.6	9.9	2.8	3.1
Naphthalene/Total PAH (U=1/2)	0.44	0.45	0.21	0.21
TPH (mg/kg)				
TRPH				
total hydrocarbons, C10-C39	15000	22000	2000	1500
C10-C11	4100	5900	490	350
C12-C13	3500	4900	440	340
C14-C15	3600	5000	430	340
C16-C17	2000	2900	290	230
C18-C19	980	1500	200	140
C20-C21	1000	1000	120	89
C22-C23		600	49	38
C24-C25			22	18
C27-C28		130	12	
C29-C30				
C31-C32				
C33-C34				
C35-C36				
C37-C39				

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Rotosonic Boring Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-057 C2 SB057-57.6-57.8 10/9/99 clay sheen	SB-061 D2 SB061-126.0-126.3 8/31/99 sand odor	SB-084 C1 SB084-11.0-11.4 9/17/99 clay sheen	SB-084 C1 SB084-13.3-13.6 9/17/99 clay sheen
LIF (counts/wavelength)				
Exsitu maximum intensity		367.7		
Exsitu peak wavelength		402		
Insitu maximum intensity				
Insitu peak wavelength				
PAHs (mg/kg)				
2-methylnaphthalene	190	20	20 J	
acenaphthene	80	10 J	40	20 J
acenaphthylene				
anthracene	30		20 J	
benzo(a)anthracene				
benzo(a)pyrene				
benzo(b)fluoranthene				
benzo(g,h,i)perylene				
benzo(k)fluoranthene				
carbazole				
chrysene			10 J	
dibenzofuran	50		20 J	10 J
fluoranthene	40		40	20 J
fluorene	50	10 J	30	20 J
indeno(1,2,3-cd)pyrene				
naphthalene	410	40	100	60
pentachlorophenol			120	
phenanthrene	110	20	80	40
pyrene	30		30	10 J
Total HPAH (U=1/2)	150	100	185	145
Total LPAH (U=1/2)	880	120	305	185
Total PAH (U=1/2)	1030	220	490	330
LPAH/HPAH (U=1/2)	5.9	1.2	1.6	1.3
Naphthalene/Total PAH (U=1/2)	0.4	0.18	0.2	0.18
TPH (mg/kg)				
TRPH		69		
total hydrocarbons, C10-C39	1600	130	220	
C10-C11	470	33	34	
C12-C13	360	26	25	
C14-C15	330	27	43	
C16-C17	210	22	52	
C18-C19	120	13	30	
C20-C21	75	8.6	32	
C22-C23	31			
C24-C25	13			
C27-C28				
C29-C30				
C31-C32				
C33-C34				
C35-C36				
C37-C39				

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Rotosonic Boring Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-084 C1 SB084-49.3-49.8 9/17/99 sand sheen	SB-086 C1 SB086-17-17.3 9/28/99 clay sheen	SB-086 C1 SB086-21.6-23.3 9/28/99 silt sheen	SB-086 C1 SB086-27-28.5 9/28/99 Primary silt sheen
LIF (counts/wavelength)				
Exsitu maximum intensity				
Exsitu peak wavelength				
Insitu maximum intensity				
Insitu peak wavelength				
PAHs (mg/kg)				
2-methylnaphthalene		110	400	300
acenaphthene		90	240	190
acenaphthylene				
anthracene		240	150	100
benzo(a)anthracene		30	40	40
benzo(a)pyrene			20	10 J
benzo(b)fluoranthene			10 J	
benzo(g,h,i)perylene				
benzo(k)fluoranthene		10 J	20	10 J
carbazole		100	70	50
chrysene		30	50	40
dibenzofuran		60	140	110
fluoranthene		120	220	170
fluorene		80	180	150
indeno(1,2,3-cd)pyrene				
naphthalene	20 J	700	3500	1200
pentachlorophenol		2100 J	30 J	
phenanthrene	20 J	250	600	400
pyrene		100	170	140
Total HPAH (U=1/2)	100	340	560	450
Total LPAH (U=1/2)	90	1480	5080	2350
Total PAH (U=1/2)	190	1820	5640	2800
LPAH/HPAH (U=1/2)	0.9	4.4	9.1	5.2
Naphthalene/Total PAH (U=1/2)	0.11	0.38	0.62	0.43
TPH (mg/kg)				
TRPH				
total hydrocarbons, C10-C39	210	1900	12000	4600
C10-C11	38	530	5200	1500
C12-C13	28	220	1400	590
C14-C15	38	240	1600	740
C16-C17	46	420	1600	690
C18-C19	27	140	1100	510
C20-C21	29	180	720	320
C22-C23		66	380	150
C24-C25		44		41
C27-C28		16	90	34
C29-C30		10		
C31-C32				
C33-C34				
C35-C36				
C37-C39				

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Rotosonic Boring Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-086 C1 SB586-27-28.5 9/28/99 Field Duplicate silt sheen	SB-086 C1 SB086-33.6-35 9/28/99 sand visible	SB-086 C1 SB086-36.3-38 9/28/99 sand visible	SB-086 C1 SB086-44-45 9/28/99 sand sheen
LIF (counts/wavelength)				
Exsitu maximum intensity				
Exsitu peak wavelength				
Insitu maximum intensity				
Insitu peak wavelength				
PAHs (mg/kg)				
2-methylnaphthalene	240	230	700	160
acenaphthene	160	150	400	90
acenaphthylene				
anthracene	90	70	140	40
benzo(a)anthracene	30	20	40	10 J
benzo(a)pyrene			10 J	
benzo(b)fluoranthene			10 J	
benzo(g,h,i)perylene				
benzo(k)fluoranthene	10 J		10 J	
carbazole	40	40	60	20
chrysene	30	20	40	10 J
dibenzofuran	100	80	170	50
fluoranthene	140	110	200	60
fluorene	120	110	210	70
indeno(1,2,3-cd)pyrene				
naphthalene	900	600	1800	380
pentachlorophenol				
phenanthrene	300	260	600	150
pyrene	120	90	160	50
Total HPAH (U=1/2)	380	300	500	190
Total LPAH (U=1/2)	1820	1430	3860	900
Total PAH (U=1/2)	2200	1730	4360	1090
LPAH/HPAH (U=1/2)	4.8	4.8	7.7	4.7
Naphthalene/Total PAH (U=1/2)	0.41	0.35	0.41	0.35
TPH (mg/kg)				
TRPH				
total hydrocarbons, C10-C39	7700	3600	11000	3700
C10-C11	2200	960	2900	1000
C12-C13	1000	540	1800	640
C14-C15	1300	640	1800	650
C16-C17	1200	580	1700	600
C18-C19	920	400	1200	410
C20-C21	580	290	780	300
C22-C23	250	130	470	90
C24-C25	110			47
C27-C28	63	13	120	16
C29-C30	27			
C31-C32				
C33-C34				
C35-C36				
C37-C39				

Table A-3
Rotosonic Boring Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-086 C1 SB086-49-50 9/28/99 clay odor	SB-092 C3 SB092-51.5-51.8 9/20/99 clay odor	SB-092 C3 SB092-79.5-79.8 9/20/99 sand nothing	SB-092 C3 SB092-114-114.3 9/21/99 sand sheen
LIF (counts/wavelength)				
Exsitu maximum intensity				
Exsitu peak wavelength				
Insitu maximum intensity				
Insitu peak wavelength				
PAHs (mg/kg)				
2-methylnaphthalene	20	30	50	
acenaphthene	20	30	40	
acenaphthylene				
anthracene		10 J	20	
benzo(a)anthracene			10 J	
benzo(a)pyrene				
benzo(b)fluoranthene				
benzo(g,h,i)perylene				
benzo(k)fluoranthene				
carbazole				
chrysene			10 J	
dibenzofuran		20	30	
fluoranthene	10 J	30	60	20
fluorene	10 J	20	40	
indeno(1,2,3-cd)pyrene				
naphthalene	40	40	70	
pentachlorophenol				
phenanthrene	40	70	120	30
pyrene	10 J	20	40	10 J
Total HPAH (U=1/2)	100	130	180	110
Total LPAH (U=1/2)	150	210	350	90
Total PAH (U=1/2)	250	340	530	200
LPAH/HPAH (U=1/2)	1.5	1.6	1.9	0.82
Naphthalene/Total PAH (U=1/2)	0.16	0.12	0.13	0.1
TPH (mg/kg)				
TRPH				
total hydrocarbons, C10-C39	69 J	480	350	130
C10-C11	16	71	59	20
C12-C13	8	72	44	14
C14-C15	17	110	67	31
C16-C17	14	89	59	29
C18-C19		60	46	16
C20-C21	8	35	28	17
C22-C23		24	20	
C24-C25		5.2	5	
C27-C28		6.6	7	
C29-C30				
C31-C32				
C33-C34				
C35-C36				
C37-C39	7.3			

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Rotosonic Boring Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-092 C3 SB092-139.5-139.8 9/21/99 sand sheen	SB-099 C3 SB099-3.1-4.6 9/30/99 Primary sand sheen	SB-099 C3 SB599-3.1-4.6 9/30/99 Field Duplicate sand sheen	SB-099 C3 SB099-13.4-14.7 9/30/99 clay odor
LIF (counts/wavelength)				
Exsitu maximum intensity				
Exsitu peak wavelength				
Insitu maximum intensity				
Insitu peak wavelength				
PAHs (mg/kg)				
2-methylnaphthalene	100	60	140	400
acenaphthene	80	40	80	600
acenaphthylene				
anthracene	40	110	110	270
benzo(a)anthracene	20	40	40	110
benzo(a)pyrene	10 J	30 J	30 J	30
benzo(b)fluoranthene	10 J	40	40	30
benzo(g,h,i)perylene				
benzo(k)fluoranthene	10 J	40	20 J	30
carbazole	20 J	50 J	50 J	100 J
chrysene	20	60	60	100
dibenzofuran	50	20 J	40	400
fluoranthene	90	160	170	600
fluorene	60	30 J	60	500
indeno(1,2,3-cd)pyrene		20 J		
naphthalene	190	200	440	500
pentachlorophenol		100	200	
phenanthrene	170	150	180	1200
pyrene	70	140	160	500
Total HPAH (U=1/2)	260	570	580	1445
Total LPAH (U=1/2)	650	610	1030	3485
Total PAH (U=1/2)	910	1180	1610	4930
LPAH/HPAH (U=1/2)	2.5	1.1	1.8	2.4
Naphthalene/Total PAH (U=1/2)	0.21	0.17	0.27	0.1
TPH (mg/kg)				
TRPH				
total hydrocarbons, C10-C39	1100	2100	6200	6400
C10-C11	270	300	300	390
C12-C13	140	230	170	540
C14-C15	170	290	300	1300
C16-C17	160	250	490	1400
C18-C19	110	260	880	1100
C20-C21	96	200	890	790
C22-C23	54	200	940	330
C24-C25	15	140	680	210
C27-C28	23	130	630	150
C29-C30	11	110	600	89
C31-C32			90	
C33-C34		23	150	17
C35-C36			44	
C37-C39			49	

Table A-3
Rotosonic Boring Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-099 C3 SB099-27.5-29.5 9/30/99 Primary sand sheen	SB-099 C3 SB599-27.5-29.5 9/30/99 Field Duplicate sand sheen	SB-099 C3 SB099-31-33 9/30/99 sand mobile	SB-099 C3 SB099-41-42.5 10/6/99 silt/sand sheen
LIF (counts/wavelength)				
Exsitu maximum intensity				
Exsitu peak wavelength				
Insitu maximum intensity				
Insitu peak wavelength				
PAHs (mg/kg)				
2-methylnaphthalene	800	700	130	500
acenaphthene	1000	1000	170	500
acenaphthylene	30 J	30 J		
anthracene	350	340	70	200
benzo(a)anthracene	170	150	30	100
benzo(a)pyrene	50	50	10 J	30
benzo(b)fluoranthene	40 J	40 J		30
benzo(g,h,i)perylene				
benzo(k)fluoranthene	50	50	10 J	30
carbazole	180 J	180 J	40 J	120 J
chrysene	170	160	30	100
dibenzofuran	540	500	100	400
fluoranthene	900	900	160	500
fluorene	800	800	140	500
indeno(1,2,3-cd)pyrene				10 J
naphthalene	2000	1900	320	1200
pentachlorophenol				
phenanthrene	2000	2000	360	1200
pyrene	800	700	140	400
Total HPAH (U=1/2)	2255	2125	420	1220
Total LPAH (U=1/2)	6980	6770	1200	4110
Total PAH (U=1/2)	9235	8895	1620	5330
LPAH/HPAH (U=1/2)	3.1	3.2	2.9	3.4
Naphthalene/Total PAH (U=1/2)	0.22	0.21	0.2	0.23
TPH (mg/kg)				
TRPH				
total hydrocarbons, C10-C39	18000	22000	5900	13000
C10-C11	2100	2600	600	1700
C12-C13	1500	2000	510	1400
C14-C15	3400	4300	1100	2500
C16-C17	3700	4600	1300	2800
C18-C19	3100	3900	1100	2300
C20-C21	2100	2600	680	1500
C22-C23	720	930	300	540
C24-C25	620	820	210	410
C27-C28	390	520	140	240
C29-C30			37	55
C31-C32				
C33-C34				
C35-C36				
C37-C39				

Table A-3
Rotosonic Boring Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-099 C3 SB099-139.2-139.4 10/7/99 clay sheen	SB-099 C3 SB099-152.6-152.8 10/7/99 clay odor	SB-099 C3 SB099-153.8-153.9 10/7/99 clay odor	SB-099 C3 SB099-160.7-160.9 10/7/99 Primary sand sheen
LIF (counts/wavelength)				
Exsitu maximum intensity				
Exsitu peak wavelength				
Insitu maximum intensity				
Insitu peak wavelength				
PAHs (mg/kg)				
2-methylnaphthalene	20	20	90	200
acenaphthene	20	10 J	50	110
acenaphthylene				
anthracene			20	40
benzo(a)anthracene			10 J	20
benzo(a)pyrene				10 J
benzo(b)fluoranthene				10 J
benzo(g,h,i)perylene				
benzo(k)fluoranthene	10 J			10 J
carbazole				10 J
chrysene			10 J	20
dibenzofuran	10 J		30	70
fluoranthene	20	10 J	60	100
fluorene	10 J		40	80
indeno(1,2,3-cd)pyrene				
naphthalene	20	40	170	380
pentachlorophenol				
phenanthrene	40	30	110	190
pyrene	10 J	10 J	50	80
Total HPAH (U=1/2)	110	100	190	280
Total LPAH (U=1/2)	130	130	490	1010
Total PAH (U=1/2)	240	230	680	1290
LPAH/HPAH (U=1/2)	1.2	1.3	2.6	3.6
Naphthalene/Total PAH (U=1/2)	0.08	0.17	0.25	0.29
TPH (mg/kg)				
TRPH				
total hydrocarbons, C10-C39	250	70 J	410	1200
C10-C11	58	22	120	320
C12-C13	52	10	69	210
C14-C15	54	16	75	210
C16-C17	36	7	60	160
C18-C19	19		35	110
C20-C21	18	7	34	88
C22-C23	6		17	47
C24-C25				13
C27-C28				22
C29-C30				6
C31-C32				
C33-C34				
C35-C36				
C37-C39				

Table A-3
Rotosonic Boring Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SB-099 C3 SB599-160.7-160.9 10/7/99 Field Duplicate sand sheen	SB-099 C3 SB099-161.8-162 10/7/99 sand sheen	SB-099 C3 SB099-212.4-212.6 10/8/99 clay sheen
LIF (counts/wavelength)			
Exsitu maximum intensity			
Exsitu peak wavelength			
Insitu maximum intensity			
Insitu peak wavelength			
PAHs (mg/kg)			
2-methylnaphthalene	190	160	80
acenaphthene	120	100	60
acenaphthylene			
anthracene	50	40	20
benzo(a)anthracene	30	20	10 J
benzo(a)pyrene	10 J	10 J	
benzo(b)fluoranthene	10 J		
benzo(g,h,i)perylene			
benzo(k)fluoranthene	10 J		
carbazole	10 J	10 J	
chrysene	30	20	10 J
dibenzofuran	80	60	30
fluoranthene	110	100	60
fluorene	90	80	40
indeno(1,2,3-cd)pyrene			
naphthalene	310	210	110
pentachlorophenol			
phenanthrene	220	190	110
pyrene	90	80	40
Total HPAH (U=1/2)	320	280	180
Total LPAH (U=1/2)	990	790	430
Total PAH (U=1/2)	1310	1070	610
LPAH/HPAH (U=1/2)	3.1	2.8	2.4
Naphthalene/Total PAH (U=1/2)	0.24	0.2	0.18
TPH (mg/kg)			
TRPH			
total hydrocarbons, C10-C39	2200	2100	1500
C10-C11	560	530	330
C12-C13	370	360	270
C14-C15	370	370	290
C16-C17	290	280	210
C18-C19	200	190	140
C20-C21	160	170	110
C22-C23	77	85	55
C24-C25	44	34	25
C27-C28	50	50	30
C29-C30	19	19	13
C31-C32			
C33-C34			
C35-C36			
C37-C39			

Table A-4
SCAPS Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC	SE-002 C1 SS002-14.3-15.1 7/15/99	SE-002 C1 SS002-15.1-16.0 7/15/99	SE-002 C1 SS002-24.5-25.6 7/15/99	SE-002 C1 SS002-25.6-26.5 7/15/99
Soil Description NAPL Description	silty/clay nothing	silty/clay nothing	clay visible	sand visible
LIF (counts/wavelength)				
Exsitu maximum intensity	192	184	619	810
Exsitu peak wavelength	446	443	466	469
Insitu maximum intensity	424	178	1880	1880
Insitu peak wavelength	471	476	470	470
PAHs (mg/kg)				
2-methylnaphthalene	180	70	500	
acenaphthene	160	40	170	400
acenaphthylene				
anthracene	90	20	70	130
benzo(a)anthracene	30		20	30
benzo(a)pyrene				
benzo(b)fluoranthene	20			10 J
benzo(g,h,i)perylene				
benzo(k)fluoranthene				
carbazole	110	20 J	50	100
chrysene	30		20	40
dibenzofuran	100	30	100	180
fluoranthene	140	40	90	180
fluorene	100	30	110	200
indeno(1,2,3-cd)pyrene				
naphthalene	1400	280	1400	2800
pentachlorophenol	180		30	70
phenanthrene	250	90	300	600
pyrene	110	30	70	140
Total HPAH (U=1/2)	380	150	265	450
Total LPAH (U=1/2)	2190	540	2560	4590
Total PAH (U=1/2)	2570	690	2825	5040
LPAH/HPAH (U=1/2)	5.8	3.6	9.7	10
Naphthalene/Total PAH (U=1/2)	0.54	0.41	0.5	0.56
TPH (mg/kg)				
TRPH	1011	341	755	2484
total hydrocarbons, C10-C39	2200	1000	2300	7900
C10-C11	450	260	640	2300
C12-C13	250	110	410	1300
C14-C15	470	190	570	1700
C16-C17	360	150	290	1000
C18-C19	320	120	160	810
C20-C21	170	93	140	420
C22-C23	120	40	52	240
C24-C25	46	26	34	100
C27-C28	19	5	9	
C29-C30	8			
C31-C32				
C33-C34				
C35-C36				
C37-C39				

Table A-4
SCAPS Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-002 C1 SS002-84-86 7/15/99 Primary sand visible	SE-002 C1 SS502-84-86 7/15/99 Field Duplicate sand visible	SE-005 C2 SS005-29.5-30.5 7/15/99 sand mobile	SE-005 C2 SS005-30.5-31.6 7/15/99 clay visible
LIF (counts/wavelength)				
Exsitu maximum intensity	144	144	766	483
Exsitu peak wavelength	444	444	480	470
Insitu maximum intensity	33	33	794	603
Insitu peak wavelength	426	426	496	492
PAHs (mg/kg)				
2-methylnaphthalene			500	400
acenaphthene			400	200
acenaphthylene				
anthracene			150	110
benzo(a)anthracene			110	70
benzo(a)pyrene			50	30
benzo(b)fluoranthene			70	40
benzo(g,h,i)perylene			20	
benzo(k)fluoranthene			20	10 J
carbazole			200	170
chrysene			110	70
dibenzofuran			300	170
fluoranthene			600	400
fluorene			300	170
indeno(1,2,3-cd)pyrene			20	
naphthalene			1200	1200
pentachlorophenol			200	50
phenanthrene			1100	800
pyrene			400	300
Total HPAH (U=1/2)			1410	950
Total LPAH (U=1/2)			3660	2890
Total PAH (U=1/2)			5070	3840
LPAH/HPAH (U=1/2)			2.6	3
Naphthalene/Total PAH (U=1/2)			0.24	0.31
TPH (mg/kg)				
TRPH	6 J	8 J	1504	242
total hydrocarbons, C10-C39			12000 J	4000
C10-C11			2700 J	850
C12-C13			1200 J	470
C14-C15			2100 J	770
C16-C17			1900 J	650
C18-C19			950 J	490
C20-C21			1600 J	340
C22-C23			430 J	220
C24-C25			620 J	100
C27-C28			160 J	51
C29-C30			130 J	42
C31-C32			30 J	9
C33-C34			40 J	12
C35-C36				
C37-C39				

Table A-4
SCAPS Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-005 C2 SS005-43-45 7/15/99 sand odor	SE-005 C2 SS005-67-69 7/15/99 clay/sand mobile	SE-005 C2 SS005-86-87.5 7/15/99 sand odor	SE-008 C2 SS008-10.5-11.7 8/8/99 Primary clay odor
LIF (counts/wavelength)				
Exsitu maximum intensity	103	418	140	105
Exsitu peak wavelength	445	476	444	454
Insitu maximum intensity	131	1430	70	477
Insitu peak wavelength	497	484	496	399
PAHs (mg/kg)				
2-methylnaphthalene		80		
acenaphthene		50		
acenaphthylene				
anthracene		20		
benzo(a)anthracene		10 J		
benzo(a)pyrene				
benzo(b)fluoranthene				
benzo(g,h,i)perylene				
benzo(k)fluoranthene				
carbazole		30		
chrysene		10 J		
dibenzofuran		30		
fluoranthene		60		
fluorene		40		
indeno(1,2,3-cd)pyrene				
naphthalene		150		20 J
pentachlorophenol				60 J
phenanthrene		100		
pyrene		40		
Total HPAH (U=1/2)		180		100
Total LPAH (U=1/2)		450		80
Total PAH (U=1/2)		630		180
LPAH/HPAH (U=1/2)		2.5		0.8
Naphthalene/Total PAH (U=1/2)		0.24		0.11
TPH (mg/kg)				
TRPH	6 J	113	36	
total hydrocarbons, C10-C39		1200		
C10-C11		360		
C12-C13		190		
C14-C15		220		
C16-C17		160		
C18-C19		120		
C20-C21		89		
C22-C23		58		
C24-C25		28		
C27-C28		14		
C29-C30		13		
C31-C32				
C33-C34				
C35-C36				
C37-C39				

Table A-4
SCAPS Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-008 C2 SS508-10.5-11.7 8/8/99 Field Duplicate clay odor	SE-008 C2 SS008-40-41.5 8/8/99 Field Duplicate sand visible	SE-008 C2 SS008-42-44 8/8/99 Field Duplicate sand mobile	SE-008 C2 SS008-45-45.9 8/8/99 Field Duplicate sand nothing
LIF (counts/wavelength)				
Exsitu maximum intensity		300	2933	97
Exsitu peak wavelength		455	468	442
Insitu maximum intensity		1601	927	2107
Insitu peak wavelength		469	468	404
PAHs (mg/kg)				
2-methylnaphthalene			460	
acenaphthene			200	
acenaphthylene				
anthracene			80	
benzo(a)anthracene			20 J	
benzo(a)pyrene				
benzo(b)fluoranthene				
benzo(g,h,i)perylene				
benzo(k)fluoranthene				
carbazole			30	
chrysene			20 J	
dibenzofuran			130	
fluoranthene			110	
fluorene			140	
indeno(1,2,3-cd)pyrene				
naphthalene	20 J		790	10 J
pentachlorophenol	30 J			
phenanthrene			280	
pyrene			90	
Total HPAH (U=1/2)	100		330	100
Total LPAH (U=1/2)	80		1965	70
Total PAH (U=1/2)	180		2295	170
LPAH/HPAH (U=1/2)	0.8		6	0.7
Naphthalene/Total PAH (U=1/2)	0.11		0.34	0.06
TPH (mg/kg)				
TRPH		28	2591	8 J
total hydrocarbons, C10-C39		120 J	5300 J	
C10-C11		30	1400	
C12-C13		30	1200	
C14-C15		30	1000	
C16-C17		20	700	
C18-C19		9	440	
C20-C21		6	270	
C22-C23			120	
C24-C25			50	
C27-C28				
C29-C30				
C31-C32				
C33-C34				
C35-C36				
C37-C39				

Table A-4
SCAPS Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-008 C2 SS008-48-50 8/8/99 sand mobile	SE-010 C2 SS010-59-59.8 9/6/99 sand and gravel sheen	SE-010 C2 SS010-61-61.5 9/6/99 sandy/clay visible	SE-010 C2 SS010-61.5-63 9/6/99 silt visible
LIF (counts/wavelength)				
Exsitu maximum intensity	2349	117	562	637
Exsitu peak wavelength	469	442	475	487
Insitu maximum intensity	37	1997	578	554
Insitu peak wavelength	405	477	473	495
PAHs (mg/kg)				
2-methylnaphthalene	220		200	260
acenaphthene	120		110	120
acenaphthylene				
anthracene	40		40	40
benzo(a)anthracene			20	30
benzo(a)pyrene			10 J	10 J
benzo(b)fluoranthene			20	20
benzo(g,h,i)perylene				
benzo(k)fluoranthene				
carbazole	20		20 J	20 J
chrysene			30	30
dibenzofuran	80		70	70
fluoranthene	60		100	100
fluorene	80		70	80
indeno(1,2,3-cd)pyrene				
naphthalene	360		250	380
pentachlorophenol				
phenanthrene	160		180	180
pyrene	40		80	80
Total HPAH (U=1/2)	180		300	310
Total LPAH (U=1/2)	990		860	1070
Total PAH (U=1/2)	1170		1160	1380
LPAH/HPAH (U=1/2)	5.5		2.9	3.5
Naphthalene/Total PAH (U=1/2)	0.31		0.22	0.28
TPH (mg/kg)				
TRPH	1340	3 J	181	162
total hydrocarbons, C10-C39	3800 J		1500	1200
C10-C11	1100		550	440
C12-C13	970		320	270
C14-C15	750		210	180
C16-C17	460		140	120
C18-C19	270		94	85
C20-C21	160		80	73
C22-C23	68		39	36
C24-C25	20		19	17
C27-C28	10		20	19
C29-C30			11	11
C31-C32				
C33-C34				
C35-C36				
C37-C39				

Table A-4
SCAPS Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-020 C2 SS020-29-31 8/8/99 Primary sandy/clay sheen	SE-020 C2 SS520-29-31 8/8/99 Field Duplicate sandy/clay sheen	SE-020 C2 SS020-47-49 8/8/99 silty/sand mobile	SE-020 C2 SS020-51-51.8 8/8/99 sand visible
LIF (counts/wavelength)				
Exsitu maximum intensity	541	541	1083	113
Exsitu peak wavelength	454	454	476	441
Insitu maximum intensity	362	362	916	1627
Insitu peak wavelength	461	461	469	470
PAHs (mg/kg)				
2-methylnaphthalene	370	180	270	
acenaphthene	140	80	180	
acenaphthylene				
anthracene	60	40	80	
benzo(a)anthracene	10 J		20	
benzo(a)pyrene				
benzo(b)fluoranthene				
benzo(g,h,i)perylene				
benzo(k)fluoranthene				
carbazole	20		30	
chrysene	10 J		20	
dibenzofuran	100	50	100	
fluoranthene	80	50	100	
fluorene	100	60	120	
indeno(1,2,3-cd)pyrene				
naphthalene	620	320	850	
pentachlorophenol			60	
phenanthrene	200	130	260	
pyrene	60	40	80	
Total HPAH (U=1/2)	220	170	280	
Total LPAH (U=1/2)	1500	820	1770	
Total PAH (U=1/2)	1720	990	2050	
LPAH/HPAH (U=1/2)	6.8	4.8	6.3	
Naphthalene/Total PAH (U=1/2)	0.36	0.32	0.41	
TPH (mg/kg)				
TRPH	274	283	717	15
total hydrocarbons, C10-C39	1100	2600	4800	70 J
C10-C11	280	660	1400	
C12-C13	290	660	970	
C14-C15	250	550	840	
C16-C17	150	340	690	
C18-C19	85	190	430	
C20-C21	51	120	280	
C22-C23	20	60	130	
C24-C25	7	20	40	
C27-C28		10	20	
C29-C30			6	
C31-C32				
C33-C34				
C35-C36				
C37-C39				

Table A-4
SCAPS Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-020 C2 SS020-56-58 8/99 Primary sand mobile	SE-020 C2 SS520-56-58 8/99 Field Duplicate sand mobile	SE-020 C2 SS020-60-62 8/99 sand mobile	SE-035 C1 SS035-50-52 9/99 clay nothing
LIF (counts/wavelength)				
Exsitu maximum intensity	1396	1396	1994	75
Exsitu peak wavelength	471	471	471	454
Insitu maximum intensity	3067	3067	3316	472
Insitu peak wavelength	472	472	469	471
PAHs (mg/kg)				
2-methylnaphthalene	540	600	380	
acenaphthene	240	270	190	
acenaphthylene				
anthracene	100	110	90	
benzo(a)anthracene	20	30	20 J	
benzo(a)pyrene				
benzo(b)fluoranthene				
benzo(g,h,i)perylene				
benzo(k)fluoranthene				
carbazole	40	40	30	
chrysene	30	30	20 J	
dibenzofuran	140	160	110	
fluoranthene	130	140	110	
fluorene	160	180	140	
indeno(1,2,3-cd)pyrene				
naphthalene	1000	1300	610	
pentachlorophenol	60	60		
phenanthrene	380	400	290	
pyrene	110	120	100	
Total HPAH (U=1/2)	350	380	340	
Total LPAH (U=1/2)	2430	2870	1715	
Total PAH (U=1/2)	2780	3250	2055	
LPAH/HPAH (U=1/2)	6.9	7.6	5	
Naphthalene/Total PAH (U=1/2)	0.36	0.4	0.3	
TPH (mg/kg)				
TRPH	1456	1458	2899	4 J
total hydrocarbons, C10-C39	6200	6000	5500	
C10-C11	1800	1700	1600	
C12-C13	1100	1000	920	
C14-C15	1300	1300	1200	
C16-C17	1200	1200	1100	
C18-C19	410	420	350	
C20-C21	420	420	370	
C22-C23	67	65	59	
C24-C25				
C27-C28				
C29-C30				
C31-C32				
C33-C34				
C35-C36				
C37-C39				

Table A-4
SCAPS Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-037 D2 SS037-56-57 8/9/99 sand mobile	SE-039 B1 SS039-19-20.6 8/9/99 sand mobile	SE-039 B1 SS039-22-22.4 8/9/99 sand mobile	SE-043 D2 SS043-7-8.6 8/9/99 clay nothing
LIF (counts/wavelength)				
Exsitu maximum intensity	1319	449	477	134
Exsitu peak wavelength	486	454	545	453
Insitu maximum intensity	2054	1251	460	1009
Insitu peak wavelength	487	470	468	477
PAHs (mg/kg)				
2-methylnaphthalene	1000	50	40	
acenaphthene	800	70	60	
acenaphthylene				
anthracene	400	30	20	
benzo(a)anthracene	200			
benzo(a)pyrene	100 J			
benzo(b)fluoranthene	100 J			
benzo(g,h,i)perylene				
benzo(k)fluoranthene	100 J			
carbazole	200			
chrysene	200			
dibenzofuran	500	40	30	
fluoranthene	900	50	30	
fluorene	600	50	40	
indeno(1,2,3-cd)pyrene				
naphthalene	4000	80	50	
pentachlorophenol				
phenanthrene	2000	120	90	
pyrene	700	40	30	
Total HPAH (U=1/2)	2450	170	140	
Total LPAH (U=1/2)	8850	410	310	
Total PAH (U=1/2)	11300	580	450	
LPAH/HPAH (U=1/2)	3.6	2.4	2.2	
Naphthalene/Total PAH (U=1/2)	0.35	0.14	0.11	
TPH (mg/kg)				
TRPH	6836	804	543	9 J
total hydrocarbons, C10-C39	27000	940	920	
C10-C11	7500	200	190	
C12-C13	2800	97	120	
C14-C15	4300	190	210	
C16-C17	5900	240	220	
C18-C19	1800	98	83	
C20-C21	3700	110	94	
C22-C23	1200	20	7	
C24-C25	50			
C27-C28	70			
C29-C30				
C31-C32				
C33-C34				
C35-C36				
C37-C39				

Table A-4
SCAPS Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-043 D2 SS043-13-15 8/9/99 silty/sand odor (fuel)	SE-043 D2 SS043-23-25 8/9/99 Primary silty/sand odor (fuel)	SE-043 D2 SS543-23-25 8/9/99 Field Duplicate silty/sand odor (fuel)	SE-043 D2 SS043-27-29 8/9/99 silt nothing
LIF (counts/wavelength)				
Exsitu maximum intensity	1801	592	592	624
Exsitu peak wavelength	454	454	454	454
Insitu maximum intensity	5669	7094	7094	3837
Insitu peak wavelength	455	454	454	454
PAHs (mg/kg)				
2-methylnaphthalene				
acenaphthene				
acenaphthylene				
anthracene				
benzo(a)anthracene				
benzo(a)pyrene				
benzo(b)fluoranthene				
benzo(g,h,i)perylene				
benzo(k)fluoranthene				
carbazole				
chrysene				
dibenzofuran				
fluoranthene				
fluorene				
indeno(1,2,3-cd)pyrene				
naphthalene				
pentachlorophenol				
phenanthrene				
pyrene				
Total HPAH (U=1/2)				
Total LPAH (U=1/2)				
Total PAH (U=1/2)				
LPAH/HPAH (U=1/2)				
Naphthalene/Total PAH (U=1/2)				
TPH (mg/kg)				
TRPH	614	363	328	38
total hydrocarbons, C10-C39	900	400	500	100
C10-C11	23	9	10	
C12-C13	200	83	100	23
C14-C15	450	210	250	53
C16-C17	130	63	73	15
C18-C19	30	10	15	
C20-C21	12	5	6	
C22-C23	6			
C24-C25				
C27-C28				
C29-C30				
C31-C32				
C33-C34				
C35-C36				
C37-C39				

Table A-4
SCAPS Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-047 D3 SS047-10-12 9/7/99	SE-047 D3 SS047-12-14 9/7/99	SE-047 D3 SS047-14-15 9/7/99	SE-064 C2 SS064-34-36 9/6/99 Primary sand mobile
LIF (counts/wavelength)				
Exsitu maximum intensity				1000
Exsitu peak wavelength				452
Insitu maximum intensity				1749
Insitu peak wavelength				469
PAHs (mg/kg)				
2-methylnaphthalene			10 J	210
acenaphthene				130
acenaphthylene				
anthracene				50
benzo(a)anthracene				10 J
benzo(a)pyrene				
benzo(b)fluoranthene				
benzo(g,h,i)perylene				
benzo(k)fluoranthene				
carbazole				
chrysene				10 J
dibenzofuran				80
fluoranthene				70
fluorene			20	90
indeno(1,2,3-cd)pyrene				
naphthalene				290
pentachlorophenol	140	330 J		
phenanthrene	20	40		180
pyrene				60
Total HPAH (U=1/2)	100	100		210
Total LPAH (U=1/2)	80	110		960
Total PAH (U=1/2)	180	210		1170
LPAH/HPAH (U=1/2)	0.8	1.1		4.6
Naphthalene/Total PAH (U=1/2)	0.11	0.1		0.25
TPH (mg/kg)				
TRPH	750	4088	7724	1111
total hydrocarbons, C10-C39	600	7700 J	9200 J	3700
C10-C11	16	280 J	300 J	980
C12-C13	97	1200 J	1500 J	830
C14-C15	140	1700 J	2000 J	770
C16-C17	140	1600 J	1900 J	480
C18-C19	130	1400 J	1600 J	320
C20-C21	71	770 J	1100 J	190
C22-C23	19	460 J	630 J	94
C24-C25	14	220 J		44
C27-C28				22
C29-C30				
C31-C32				9
C33-C34				
C35-C36				
C37-C39				

Table A-4
SCAPS Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-064 C2 SS564-34-36 9/6/99 Field Duplicate sand mobile	SE-064 C2 SS064-50-51 9/6/99 sand odor	SE-064 C2 SS064-62-63.3 9/6/99 sand sheen/visible	SE-079 C3 SS079-51-52 9/8/99 sand sheen
LIF (counts/wavelength)				
Exsitu maximum intensity	1212	83	162	739
Exsitu peak wavelength	447	443	454	476
Insitu maximum intensity	1749	2661	54	1468
Insitu peak wavelength	469	413	405	489
PAHs (mg/kg)				
2-methylnaphthalene	220			280
acenaphthene	120			260
acenaphthylene				
anthracene	40			100
benzo(a)anthracene				70
benzo(a)pyrene				30
benzo(b)fluoranthene				40
benzo(g,h,i)perylene				
benzo(k)fluoranthene				20 J
carbazole				60 J
chrysene				60
dibenzofuran	70			180
fluoranthene	60			300
fluorene	80			210
indeno(1,2,3-cd)pyrene				
naphthalene	350			460
pentachlorophenol				
phenanthrene	160			600
pyrene	50			210
Total HPAH (U=1/2)	190			760
Total LPAH (U=1/2)	980			1920
Total PAH (U=1/2)	1170			2680
LPAH/HPAH (U=1/2)	5.2			2.5
Naphthalene/Total PAH (U=1/2)	0.3			0.17
TPH (mg/kg)				
TRPH	1051	1 J	38	1550
total hydrocarbons, C10-C39	3800		80 J	5000
C10-C11	1000		9	790
C12-C13	850		14	640
C14-C15	790		23	1000
C16-C17	490		18	890
C18-C19	330		9	650
C20-C21	190		6	490
C22-C23	98			220
C24-C25	44			120
C27-C28	22			97
C29-C30				48
C31-C32	8			
C33-C34				
C35-C36				
C37-C39				

Table A-4
SCAPS Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-079 C3 SS079-54-54.2 9/8/99 sand visible	SE-079 C3 SS079-54.2-55 9/8/99 clay odor	SE-079 C3 SS079-58-60 9/8/99 clay/silt odor	SE-079 C3 SS079-80-81 9/8/99 sand visible
LIF (counts/wavelength)				
Exsitu maximum intensity	1034	176	78	228
Exsitu peak wavelength	486	454	442	452
Insitu maximum intensity	541	325	701	689
Insitu peak wavelength	493	486	488	498
PAHs (mg/kg)				
2-methylnaphthalene	390	50		
acenaphthene	320	50		
acenaphthylene				
anthracene	130	20		
benzo(a)anthracene	90	10 J		
benzo(a)pyrene	40			
benzo(b)fluoranthene	50			
benzo(g,h,i)perylene	10 J			
benzo(k)fluoranthene	20			
carbazole	80 J			
chrysene	80	10 J		
dibenzofuran	220	40		
fluoranthene	360	60		
fluorene	260	40		
indeno(1,2,3-cd)pyrene	10 J			
naphthalene	780	80		
pentachlorophenol				
phenanthrene	690	120		20
pyrene	260	40		
Total HPAH (U=1/2)	930	180		100
Total LPAH (U=1/2)	2580	370		70
Total PAH (U=1/2)	3510	550		170
LPAH/HPAH (U=1/2)	2.8	2.1		0.7
Naphthalene/Total PAH (U=1/2)	0.22	0.15		0.12
TPH (mg/kg)				
TRPH	1607	76	3 J	27
total hydrocarbons, C10-C39	4700 J	200		100
C10-C11	870 J	43		6
C12-C13	570 J	25		9
C14-C15	910 J	39		24
C16-C17	810 J	32		22
C18-C19	590 J	21		17
C20-C21	420 J	15		12
C22-C23	230 J	6		5
C24-C25	110 J			
C27-C28	100 J			
C29-C30	66 J			
C31-C32				
C33-C34	16 J			
C35-C36				
C37-C39				

Table A-4
SCAPS Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-081 C3 SS081-50-50.6 9/8/99 clay/gravel odor	SE-088 B1 SS088-5.4-5.8 9/6/99 silty/sand visible	SE-088 B1 SS088-9-10.3 9/6/99 clay sheen	SE-088 B1 SS088-10.3-11 9/6/99 clay visible
LIF (counts/wavelength)				
Exsitu maximum intensity	99	1350	124	147
Exsitu peak wavelength	442	448	454	443
Insitu maximum intensity	522	1724	2821	1310
Insitu peak wavelength	494	468	469	471
PAHs (mg/kg)				
2-methylnaphthalene		6000	30	30
acenaphthene		3000	20 J	30
acenaphthylene		70 J		
anthracene		900 J		20 J
benzo(a)anthracene		200 J		
benzo(a)pyrene		70 J		
benzo(b)fluoranthene		90 J		
benzo(g,h,i)perylene				
benzo(k)fluoranthene				
carbazole		400 J		
chrysene		200 J		
dibenzofuran		1500 J		20 J
fluoranthene		1300 J		20 J
fluorene		2000		20 J
indeno(1,2,3-cd)pyrene				
naphthalene		11000	20 J	40
pentachlorophenol		1200 J		
phenanthrene		4000	20 J	50
pyrene		1000 J		20 J
Total HPAH (U=1/2)		3060	150	160
Total LPAH (U=1/2)		26970	135	205
Total PAH (U=1/2)		30030	285	365
LPAH/HPAH (U=1/2)		8.8	0.9	1.3
Naphthalene/Total PAH (U=1/2)		0.37	0.07	0.11
TPH (mg/kg)				
TRPH	5 J	35104	41	127
total hydrocarbons, C10-C39		39000 J	200	200
C10-C11		7700 J	10	23
C12-C13		7400 J	36	31
C14-C15		7700 J	46	45
C16-C17		6400 J	40	41
C18-C19		4900 J	23	31
C20-C21		2800 J	15	20
C22-C23		1500 J		9
C24-C25		770 J		
C27-C28		280 J		
C29-C30		120 J		
C31-C32				
C33-C34		8 J		
C35-C36				
C37-C39				

Table A-4
SCAPS Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-088 B1 SS088-14-15.4 9/6/99 clay visible	SE-088 B1 SS088-20-21 9/6/99 clay/sand/silt visible	SE-088 B1 SS088-24-25.8 9/6/99 Primary sand/clay visible	SE-088 B1 SS588-24-25.8 9/6/99 Field Duplicate sand/clay visible
LIF (counts/wavelength)				
Exsitu maximum intensity	77	507	850	830
Exsitu peak wavelength	442	452	454	466
Insitu maximum intensity	3088	2938	1989	1989
Insitu peak wavelength	470	478	475	475
PAHs (mg/kg)				
2-methylnaphthalene		170	250	280
acenaphthene		140	170	180
acenaphthylene				
anthracene		70	80	80
benzo(a)anthracene		20	20	20
benzo(a)pyrene				
benzo(b)fluoranthene				
benzo(g,h,i)perylene				
benzo(k)fluoranthene				
carbazole		30 J	40 J	40 J
chrysene		20	20	20
dibenzofuran		90	110	120
fluoranthene		100	120	120
fluorene		100	130	140
indeno(1,2,3-cd)pyrene				
naphthalene		420	510 J	550
pentachlorophenol				
phenanthrene		240	290	310
pyrene		80	90	100
Total HPAH (U=1/2)		280	310	320
Total LPAH (U=1/2)		1150	1440	1550
Total PAH (U=1/2)		1430	1750	1870
LPAH/HPAH (U=1/2)		4.1	4.6	4.8
Naphthalene/Total PAH (U=1/2)		0.29	0.29	0.29
TPH (mg/kg)				
TRPH	8 J	903	1507	1080
total hydrocarbons, C10-C39		1900	1600	3400
C10-C11		350	330	720
C12-C13		270	270	560
C14-C15		340	300	630
C16-C17		330	270	580
C18-C19		270	210	400
C20-C21		160	120	300
C22-C23		90	66	100
C24-C25		46	30	30
C27-C28			14	30
C29-C30			6	
C31-C32				
C33-C34				
C35-C36				
C37-C39				

Table A-4
SCAPS Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-093 D3 SS093-67-68 9/8/99 sandy/clay sheen	SE-096 D2 SS096-63-65 9/9/99 sand/silt/cl mobile	SE-096 D2 SS096-66-67.6 9/9/99 sand mobile	SE-096 D2 SS096-81-82.4 9/9/99 sand nothing
LIF (counts/wavelength)				
Exsitu maximum intensity	88	2056	309	115
Exsitu peak wavelength	443	468	442	443
Insitu maximum intensity	929	3106	2602	48
Insitu peak wavelength	476	471	471	428
PAHs (mg/kg)				
2-methylnaphthalene		2400 J		
acenaphthene		1100 J		
acenaphthylene				
anthracene		280		
benzo(a)anthracene		60		
benzo(a)pyrene		20		
benzo(b)fluoranthene		20		
benzo(g,h,i)perylene				
benzo(k)fluoranthene		10 J		
carbazole		120		
chrysene		60		
dibenzofuran		600 J		
fluoranthene		500 J		
fluorene		700 J		
indeno(1,2,3-cd)pyrene				
naphthalene		4500 J		
pentachlorophenol				
phenanthrene		1400 J		
pyrene		260		
Total HPAH (U=1/2)		960		
Total LPAH (U=1/2)		10390		
Total PAH (U=1/2)		11350		
LPAH/HPAH (U=1/2)		11		
Naphthalene/Total PAH (U=1/2)		0.4		
TPH (mg/kg)				
TRPH	5 J	7311	83	6 J
total hydrocarbons, C10-C39		14000 J	140	
C10-C11		3500 J	15	
C12-C13		2900 J	24	
C14-C15		2700 J	34	
C16-C17		1800 J	31	
C18-C19		1300 J	18	
C20-C21		700 J	14	
C22-C23		400 J		
C24-C25		100 J		
C27-C28		87 J		
C29-C30		34 J		
C31-C32				
C33-C34				
C35-C36				
C37-C39				

Table A-4
SCAPS Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-096 D2 SS096-84.5-84.8 9/9/99 sand/gravel odor	SE-096 D2 SS096-94-96 9/9/99 silty/clay odor	SE-097 D2 SS097-87-89 9/7/99 silty/clay odor	SE-097 D2 SS097-90-92 9/7/99 clay/silt odor
LIF (counts/wavelength)				
Exsitu maximum intensity	315	89	78	79
Exsitu peak wavelength	442	442	443	442
Insitu maximum intensity	2117	833	849	7362
Insitu peak wavelength	475	467	471	477
PAHs (mg/kg)				
2-methylnaphthalene				
acenaphthene				
acenaphthylene				
anthracene				
benzo(a)anthracene				
benzo(a)pyrene				
benzo(b)fluoranthene				
benzo(g,h,i)perylene				
benzo(k)fluoranthene				
carbazole				
chrysene				
dibenzofuran				
fluoranthene				
fluorene				
indeno(1,2,3-cd)pyrene				
naphthalene				
pentachlorophenol				
phenanthrene				
pyrene				
Total HPAH (U=1/2)				
Total LPAH (U=1/2)				
Total PAH (U=1/2)				
LPAH/HPAH (U=1/2)				
Naphthalene/Total PAH (U=1/2)				
TPH (mg/kg)				
TRPH	99	6 J	1 J	3 J
total hydrocarbons, C10-C39	70 J			
C10-C11				
C12-C13				
C14-C15				
C16-C17				
C18-C19				
C20-C21				
C22-C23				
C24-C25				
C27-C28				
C29-C30				
C31-C32				
C33-C34				
C35-C36				
C37-C39				

Table A-4
SCAPS Soil Data - Detections Only

Location ID Quadrant Sample ID Date Sampled Field QC Soil Description NAPL Description	SE-097 D2 SS097-92.6-94 9/7/99 Primary silty/sand visible	SE-097 D2 SS597-92.6-94 9/7/99 Field Duplicate silty/sand visible	SE-097 D2 SS097-100-102 9/7/99 silty/clay visible
LIF (counts/wavelength)			
Exsitu maximum intensity	152	140	103
Exsitu peak wavelength	443	444	452
Insitu maximum intensity	980	980	663
Insitu peak wavelength	474	474	469
PAHs (mg/kg)			
2-methylnaphthalene		10 J	
acenaphthene			
acenaphthylene			
anthracene			
benzo(a)anthracene			
benzo(a)pyrene			
benzo(b)fluoranthene			
benzo(g,h,i)perylene			
benzo(k)fluoranthene			
carbazole			
chrysene			
dibenzofuran			
fluoranthene			
fluorene			
indeno(1,2,3-cd)pyrene			
naphthalene		20 J	
pentachlorophenol			
phenanthrene	20 J	20 J	
pyrene			
Total HPAH (U=1/2)	150	150	
Total LPAH (U=1/2)	110	110	
Total PAH (U=1/2)	260	260	
LPAH/HPAH (U=1/2)	0.73	0.73	
Naphthalene/Total PAH (U=1/2)	0.12	0.07	
TPH (mg/kg)			
TRPH	66	96	3 J
total hydrocarbons, C10-C39	140	170	
C10-C11	27	36	
C12-C13	26	33	
C14-C15	30	37	
C16-C17	24	30	
C18-C19	15	18	
C20-C21	11	14	
C22-C23			
C24-C25			
C27-C28			
C29-C30			
C31-C32			
C33-C34			
C35-C36			
C37-C39			

Table A-5
Dioxins and Furans in Soil - Detected Congeners Only

Location ID Sample ID Sample Date Field QC	SB-028 SB028-12-12.5 9/29/99	SB-028 SB028-28.3-29.4 9/29/99	SB-028 SB028-31-33 9/29/99	SB-028 SB028-48-49.7 9/29/99	SB-028 SB028-53.5-55 9/29/99 Primary	SB-028 SB528- 9/29 Field D
Dioxins/Furans (ng/kg)						
1,2,3,4,6,7,8-HxCDD	7500	5900	2500	1200	1600	3000
1,2,3,4,6,7,8-HxCDF	1200	1000	830	450	1100	1600
1,2,3,4,7,8,9-HxCDF	100	250	5 U	5 U	93	110
1,2,3,4,7,8-HxCDD	5 U	10	5 U	5 U	5 U	5
1,2,3,4,7,8-HxCDF	82	5 U	62	5 U	79	92
1,2,3,6,7,8-HxCDD	640	230	87	39	100	140
1,2,3,6,7,8-HxCDF	44	5 U	5 U	5 U	5 U	5
1,2,3,7,8,9-HxCDD	140	65	20	5 U	17	5
1,2,3,7,8,9-HxCDF	38	5 U	5 U	5 U	5 U	5
1,2,3,7,8-PeCDD	29	5 U	5 U	5 U	5 U	5
1,2,3,7,8-PeCDF	9	8	5 U	5 U	5 U	5
2,3,4,6,7,8-HxCDF	21	21	5 U	5 U	5 U	5
2,3,4,7,8-PeCDF	15	17	8	5 U	6	9
2,3,7,8-TCDD	1 U	1 U	1 U	1 U	1 U	1
2,3,7,8-TCDF	3	2	1 U	1 U	1 U	1
HxCDD's (total)	15000	15000	6300	2400	3200	6600
HxCDF's (total)	4000	6200	5400	2400	5800	9100
OCDD	2100	950	330	120	320	140
OCDF	3000	2300	930	310	930	1500
PeCDD's (total)	56000	70000	33000	7000	16000	27000
PeCDF's (total)	2300	6200	3000	2000	2200	3800
TCDD's (total)	150	27	6	5	5	5
TCDF's (total)	920	140	46	8	61	100
TEC (U/2)	13	4	1	1	1	1
TEC (U=0)	100	13	3	1	1	4
TEC (U/2)	264	192.4	93.13	34.2	71.65	108.77
TEC (U=0)	263.25	189.4	90.2	29.4	68.73	105.6

Table A-5
Dioxins and Furans in Soil - Detected Congeners Only

Location ID	028	SB-028 SB028-55-56 9/29/99	SB-028 SB028-79.5-79.8 9/29/99	SB-028 SB028-82.2-83.7 9/29/99	SB-028 SB028-100.6-101.5 9/29/99	SB-028 SB028-141-142 9/30/99
Sample ID	53.5-55					
Sample Date	9/99					
Field QC	uplicate					
Dioxins/Furans (ng/kg)						
1,2,3,4,6,7,8-HxCDD		230	25	310	230	20
1,2,3,4,6,7,8-HxCDF		75	9	40 U	94	5 U
1,2,3,4,7,8,9-HxCDF		9	5 U	40 U	5 U	5 U
1,2,3,4,7,8-HxCDD	U	5 U	5 U	40 U	5 U	5 U
1,2,3,4,7,8-HxCDF		6	5 U	40 U	6	5 U
1,2,3,6,7,8-HxCDD		8	5 U	40 U	6	5 U
1,2,3,6,7,8-HxCDF	U	5 U	5 U	40 U	5 U	5 U
1,2,3,7,8,9-HxCDD	U	5 U	5 U	40 U	5 U	5 U
1,2,3,7,8,9-HxCDF	U	5 U	5 U	40 U	5 U	5 U
1,2,3,7,8-PeCDD	U	5 U	5 U	5 U	5 U	5 U
1,2,3,7,8-PeCDF	U	5 U	5 U	5 U	5 U	5 U
2,3,4,6,7,8-HxCDF	U	5 U	5 U	40 U	5 U	5 U
2,3,4,7,8-PeCDF		5 U	5 U	5 U	5 U	5 U
2,3,7,8-TCDD	U	1 U	1 U	1 U	1 U	1 U
2,3,7,8-TCDF	U	1 U	1 U	1 U	1 U	1 U
HxCDD's (total)		460	50	700	670	20
HxCDF's (total)		360	44	40	450	5
OCDD		2200	290	34	2600	140
OCDF		350	42	40 U	360	10
PeCDD's (total)		5 U	5	5	5	5
PeCDF's (total)		5 U	5 U	5	5	5
TCDD's (total)		1 U	1	1	1	1
TCDF's (total)		1 U	1 U	1	1	1
TEC (U/2)		11.51	5.62	20.72	11.85	5.22
TEC (U=0)		7.09	0.67	3.13	7.4	0.14

Table A-5
Dioxins and Furans in Soil - Detected Congeners Only

Location ID Sample ID Sample Date Field QC	SB-057 SB057-2.7-3 10/9/99	SB-057 SB057-18-19.8 10/9/99	SB-057 SB057-28-29.8 10/9/99	SB-057 SB057-36-38 10/9/99	SB-057 SB057-51-52 10/9/99	SB-057 10/ Prin
Dioxins/Furans (ng/kg)						
1,2,3,4,6,7,8-HxCDD	630000 J	9400 J	14000 J	72000	4100 J	1200
1,2,3,4,6,7,8-HxCDF	170000 J	480 J	5700 J	20000	1500 J	190
1,2,3,4,7,8,9-HxCDF	10000 J	23 J	590 J	1900	53 J	8
1,2,3,4,7,8-HxCDD	8300 J	19 J	5 U	120	5 U	5
1,2,3,4,7,8-HxCDF	8900 J	16 J	370 J	1600	43 J	5
1,2,3,6,7,8-HxCDD	43000 J	130 J	650 J	1900	180 J	28
1,2,3,6,7,8-HxCDF	6200 J	7 J	5 U	200 U	9 J	5
1,2,3,7,8,9-HxCDD	11000 J	45 J	110 J	610	39 J	9
1,2,3,7,8,9-HxCDF	3600 J	13 J	5 U	200 U	5 U	5
1,2,3,7,8-PeCDD	3500 J	6 J	5 U	23	5 U	5
1,2,3,7,8-PeCDF	50 U	5 U	5 U	52	8 J	5
2,3,4,6,7,8-HxCDF	50 U	5 U	5 U	200 U	13 J	5
2,3,4,7,8-PeCDF	2400 J	5 U	27	160	5 U	5
2,3,7,8-TCDD	130 J	1 U	1 U	1 U	1 U	1
2,3,7,8-TCDF	200 J	1 U	1 U	12	3 J	1
HxCDD's (total)	1100000	14000	28000	160000	5000	2000
HxCDF's (total)	470000	1700	28000	120000	6700	770
OCDD	130000	480	2700	6100	700	81
OCDF	250000	410	4700	35000	1300	140
PeCDD's (total)	5900000 J	40000 J	130000 J	530000	38000 J	12000
PeCDF's (total)	3100 J	5500 J	42000 J	130000	3700 J	1100
TCDD's (total)	6900	15	36	180	9	5
TCDF's (total)	26000	120	350	1900	190	15
TEC (U/2)	510	3	2	10	1 U	1
TEC (U=0)	5000	10	12	53	6	1
TEC (U/2)	25206.85	172.95	504.5	2148	130.83	35.2
TEC (U=0)	25203.1	171.03	501.75	2117	127.33	30.78

Table A-5
Dioxins and Furans in Soil - Detected Congeners Only

Location ID	057	SB-057	SB-099	SB-099	SB-099	SE-008
Sample ID	-65-66	SB557-65-66	SB099-13.4-14.7	SB099-31-33	SB099-41-42.5	SE008-0.0-0.2
Sample Date	9/99	10/9/99	9/30/99	9/30/99	10/6/99	10/10/99
Field QC	Chary	Field Duplicate				
Dioxins/Furans (ng/kg)						
1,2,3,4,6,7,8-HxCDD	J	1100 J	6300 J	14000 J	7100 J	40000000 J
1,2,3,4,6,7,8-HxCDF	J	200 J	1400 J	2600 J	1200 J	9200000 J
1,2,3,4,7,8,9-HxCDF	J	50 U	72 J	240 J	56 J	670000 J
1,2,3,4,7,8-HxCDD	U	50 U	5 U	5 U	5 U	5000 U
1,2,3,4,7,8-HxCDF	U	200 U	27 J	87 J	21 J	300000 J
1,2,3,6,7,8-HxCDD	J	50 U	230 J	880 J	210 J	2600000 J
1,2,3,6,7,8-HxCDF	U	200 U	5 U	42 J	5 U	220000 J
1,2,3,7,8,9-HxCDD	J	50 U	81 J	110 J	48 J	370000 J
1,2,3,7,8,9-HxCDF	U	200 U	5 U	47 J	5 U	5000 U
1,2,3,7,8-PeCDD	U	50 U	5 U	15 J	5 U	56000 J
1,2,3,7,8-PeCDF	U	5 U	5 U	6 J	5 U	11000 J
2,3,4,6,7,8-HxCDF	U	200 U	5 U	5 U	5 U	5000 U
2,3,4,7,8-PeCDF	U	5 U	5 U	5 U	5 U	8400 J
2,3,7,8-TCDD	U	1 U	1 U	1 U	1 U	2400 J
2,3,7,8-TCDF	U	1 U	1 U	1 U	1 U	1500 J
HxCDD's (total)		1600	17000	31000	22000	52000000
HxCDF's (total)		1000	6700	13000	6800	40000000
OCDD's (total)		50 U	1700	2000	1400	6300000
HxCDF's (total)		2000	1900	4900	1000	9600000
OCDD	J	2200 J	70000 J	76000 J	74000 J	23000000 J
OCDF	J	340 J	3700 J	9000 J	4800 J	17000000 J
PeCDD's (total)	U	50 U	23	39	14	76000
PeCDF's (total)		31	100	250	55	140000
TCDD's (total)	U	1 U	2	6	6	4900
TCDF's (total)	U	1 U	4	11	4	30000
TEC (U/2)		57.71	190.64	381.35	194.43	923750
TEC (U=0)		15.54	187.72	380.3	190.26	923000

Table A-5
Dioxins and Furans in Water - Detected Congeners Only

Location ID Sample ID Sample Date Field QC	A-5 GW000A501 7/12/99	DSW-4B GWDSW4B01 7/15/99	DSW-4C GWDSW4C01 7/15/99 Primary	DSW-4C GW50A1201 7/15/99 Field Duplicate	DSW-4D GWDSW4D01 7/15/99	DSW GWDSI 7/12
Dioxins/Furans (pg/L)						
1,2,3,4,6,7,8-HxCDD	74	8500	710	440	65 J	23000
1,2,3,4,6,7,8-HxCDF	30 J	3200	190	130		8900
1,2,3,4,7,8,9-HxCDF	7 J	220	20 J	21 J		
1,2,3,4,7,8-HxCDD		80 J				53
1,2,3,4,7,8-HxCDF	18 J	170 J	35 J	28 J		420
1,2,3,6,7,8-HxCDD	7 J	200 J	25 J	19 J		1500
1,2,3,6,7,8-HxCDF		97 J		8.5 J		60
1,2,3,7,8,9-HxCDD		120 J		10 J		250
1,2,3,7,8,9-HxCDF		32 J				
1,2,3,7,8-PeCDD		140	6 J	9 J		28
1,2,3,7,8-PeCDF	10 J	150	5 J	5 J		110
2,3,4,6,7,8-HxCDF		48 J				
2,3,4,7,8-PeCDF	6 J	150	7 J			96
2,3,7,8-TCDD		29				
2,3,7,8-TCDF		30				42
HxCDD's (total)	74	3800	1700	1100	65	23000
HxCDF's (total)		650	880	630		21000
HxCDD's (total)		600	79	72		5200
HxCDF's (total)		4300	120	200		13000
OCDD	850	49000	7300	4700	650	230000
OCDF	87 J	8500	880	570	47 J	17000
PeCDD's (total)		150				150
PeCDF's (total)		530	64			2000
TCDD's (total)		29				
TCDF's (total)	19	54	11			140
TEC (U/2)	13	436	35	27	11	874
TEC (U=0)	8	436	30	22	1.3	866

Table A-5
Dioxins and Furans in Water - Detected Congeners Only

Location ID W-6B	DSW-6C GWDSW6C01 7/12/99	OFS-3B GW0FS3B01 7/15/99
Sample ID W6B01		
Sample Date 2/99		
Field QC		
Dioxins/Furans (pg/L)		
1,2,3,4,6,7,8-HxCDD	160	16 J
1,2,3,4,6,7,8-HxCDF	27 J	
1,2,3,4,7,8,9-HxCDF		
1,2,3,4,7,8-HxCDD		
1,2,3,4,7,8-HxCDF		
1,2,3,6,7,8-HxCDD		
1,2,3,6,7,8-HxCDF		
1,2,3,7,8,9-HxCDD		
1,2,3,7,8,9-HxCDF		
1,2,3,7,8-PeCDD	J	
1,2,3,7,8-PeCDF		
2,3,4,6,7,8-HxCDF		
2,3,4,7,8-PeCDF		
2,3,7,8-TCDD		
2,3,7,8-TCDF		
HxCDD's (total)	160	
HxCDF's (total)		
OCDD	3000	43 J
OCDF	190	9 J
PeCDD's (total)		
PeCDF's (total)		
TCDD's (total)		
TCDF's (total)		
TEC (U/2)	12	10
TEC (U=0)	5.1	0.2

APPENDIX B

Field Notes and DCQCRs

DATA NOT AVAILABLE ELECTRONICALLY

APPENDIX C

Data Quality Summary Reports

DATA NOT AVAILABLE ELECTRONICALLY

APPENDIX D

Summary Boring Logs

DATA NOT AVAILABLE ELECTRONICALLY